STR-K1600

SERVICE MANUAL

E Model
Australian Model

Ver. 1.1 2007. 04

Photo: Silver type

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SPECIFICATIONS

Amplifier section

Power Output [1)]
Stereo mode output (rated) (6 ohms, 1 kHz, THD 1%)

	90 W + 90 W [1)]
	85 W + 85 W [3)]

Surround mode output (reference) [2)]

	RMS output
FRONT:	185 W per channel [1)]
	170 W per channel [3)] (with SS-MSP16)
CENTER:	185 W [1)]
	170 W [3)] (with SS-CNP16)
SURROUND:	185 W per channel [1)]
	170 W per channel [3)] (with SS-SRP16)
SURROUND BACK:	185 W [1)]
	170 W [3)] (with SA-WP16)

1) Measured under the following conditions:

Area code	Power requirements
E51, AUS, MY, SP, TH	240 V AC, 50 Hz
MX	127 V AC, 60 Hz
AR	230 V AC, 50 Hz

2) Reference power output for front, center surround and surround back speakers. Depending on the sound field settings and the source, there may be no sound output.

3) Measured under the following conditions:

Area code	Power requirements
AR	220 V AC, 50 Hz

– Continued on next page –

MULTI CHANNEL AV RECEIVER

9-887-570-02
2007D04-1
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Sony Corporation
Home Audio Division
Published by Sony Techno Create Corporation

SONY®

Inputs
- Analog: Sensitivity: 800 mV/ 50 kohms
- Digital (Coaxial): Impedance: 75 ohms

Outputs (Analog)
- AUDIO OUT: Voltage: 800 mV/10 kohms
- SUB WOOFER: Voltage: 2 V/1 kohm

Tone
- Gain levels: ±6 dB, 1 dB step

Reproduction frequency range: 28 – 20,000 Hz

FM tuner section

Tuning range	87.5 – 108.0 MHz
Antenna	FM wire antenna
Antenna terminals	75 ohms, unbalanced
Intermediate frequency	10.7 MHz

AM tuner section

Tuning range
- Models of area code AUS, MY, SP, TH
  - With 9-kHz tuning scale: 531 – 1,602 kHz
- Models of area code E51
  - With 10-kHz tuning scale: 530 – 1,610 kHz [4)]
  - With 9-kHz tuning scale: 531 – 1,602 kHz [4)]
- Models of area code AR, MX
  - With 10-kHz tuning scale: 530 – 1,610 kHz

Antenna	Loop antenna
Intermediate frequency	450 kHz

4) You can change the AM tuning scale to 9 kHz or 10 kHz. After tuning in any AM station, turn off the receiver. While holding down TUNING MODE, press **I**/⏻. All preset stations will be erased when you change the tuning scale. To reset the scale to 10 kHz (or 9 kHz), repeat the procedure.

Video section

Inputs/Outputs
- Video: 1 Vp-p, 75 ohms
- COMPONENT VIDEO: Y: 1 Vp-p, 75 ohms
  PB/CB: 0.7 Vp-p, 75 ohms
  PR/CR: 0.7 Vp-p, 75 ohms
  80 MHz HD Pass Through

General

Power requirements

Area code	Power requirements
AUS	240 V AC, 50 Hz
MY, SP	230 – 240 V AC, 50/60 Hz
AR, TH	220 – 230 V AC, 50/60 Hz
MX	127 V AC, 60 Hz
E51	120/220/240 V AC, 50/60 Hz

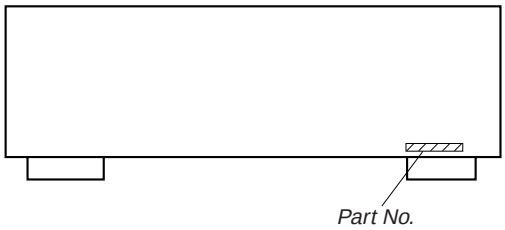
Power output (DIGITAL MEDIA PORT)
(Models of area code AUS, MY, SP, TH only)
- DC OUT: 5 V, 700 mA

Power consumption	200 W
Power consumption (during standby mode)	0.3 W
Dimensions (w/h/d) (Approx.)	430 × 157.5 × 316 mm including projecting parts and controls
Mass (Approx.)	8.0 kg

Design and specifications are subject to change without notice.

- Abbreviation
  E51 : Chilean and Peruvian models
  AUS : Australian model
  MY : Malaysia model
  SP : Singapore model
  TH : Thai model
  MX : Mexican model
  AR : Argentina model

MODEL IDENTIFICATION
— BACK PANEL —



MODEL	PART No.
MY, SP	2-897-800-0☐
AUS	2-897-800-1☐
E51	2-897-800-2☐
AR	2-897-800-3☐
MX	2-897-800-4☐
TH	3-208-699-0☐

- Abbreviation
  MY : Malaysia model
  SP : Singapore model
  AUS : Australian model
  E51 : Chilean and Peruvian models
  AR : Argentina model
  MX : Mexican model
  TH : Thai model

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

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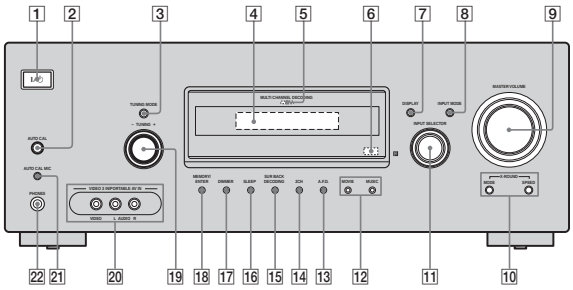
SECTION 1
GENERAL

This section is extracted from instruction manual.

Description and location of parts

Receiver

Front panel



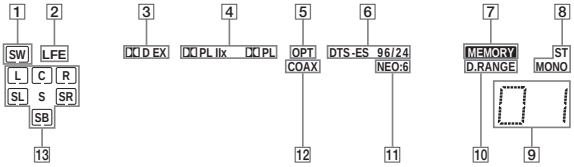
Name	Function
1 **I/⏻ (on/standby)**	Press to turn the receiver on or off (page 31, 39, 40, 57, 70, 78).
2 **AUTO CAL**	Press to activate the Auto Calibration function (page 33).
3 **TUNING MODE**	Press to select the tuning mode (page 58, 61, 78).
4 **Display**	The current status of the selected component or a list of selectable items appears here (page 7).
5 **MULTICHANNEL DECODING lamp**	Lights up when multi channel audio is decoded (page 40).
6 **Remote sensor**	Receives signals from remote commander.

Name	Function
7 **DISPLAY**	Press to select information displayed on the display (page 66, 67).
8 **INPUT MODE**	Press to select the input mode when the same components are connected to both digital and analog jacks (page 62).
9 **MASTER VOLUME**	Turn to adjust the volume level of all speakers at the same time (page 36, 37, 39, 40).
10 **X-ROUND MODE**	Press to select the X-ROUND mode (page 66).
X-ROUND SPEED	Press to adjust the speed of X-ROUND effect (page 66).

continued

Name	Function
11 **INPUT SELECTOR**	Turn to select the input source to playback (page 37, 39, 40, 58, 59, 60, 61, 62, 65, 67, 68, 69).
12 **MOVIE, MUSIC**	Press to select sound fields (MOVIE, MUSIC) (page 54).
13 **A.F.D.**	Press to select A.F.D. mode (page 52, 56).
14 **2CH**	Press to select 2CH STEREO mode (page 56, 57).
15 **SUR BACK DECODING**	Press to select the surround back decoding mode (page 46).
16 **SLEEP**	Press to activate the Sleep Timer function and the duration which the receiver turns off automatically (page 68).
17 **DIMMER**	Press to change the brightness of the display (page 51).
18 **MEMORY/ ENTER**	Press to store a station or enter the selection when selecting the settings (page 31)
19 **TUNING +/–**	Turn to scan a station (page 58, 61).
20 **VIDEO 3 IN/ PORTABLE AV IN jacks**	To connect a camcorder or video game (page 27, 37).
21 **AUTO CAL MIC jack**	Connects to the supplied optimizer microphone for the Auto Calibration function (page 32).
22 **PHONES jack**	Connects to a headphone (page 74).

About the indicators on the display



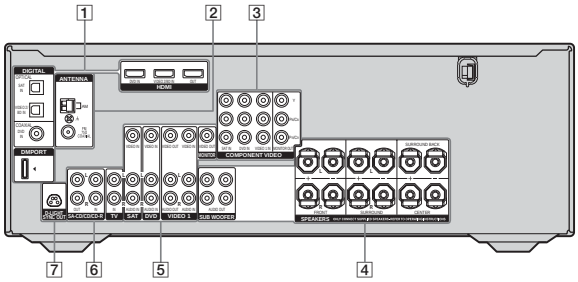
Name	Function
1 **SW**	Lights up when the audio signal is output from the SUB WOOFER jack.
2 **LFE**	Lights up when the disc being played back contains an LFE (Low Frequency Effect) channel and the LFE channel signal is actually being reproduced.
3 **D (EX)**	"D" lights up when Dolby Digital signals are input. "D EX" lights up when Dolby Digital Surround EX signals are decoded. **Note** When playing a Dolby Digital format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG" (page 62).
4 **PL (II)/(IIx)**	"PL" lights up when the receiver applies Pro Logic processing to 2 channel signals in order to output the center and surround channel signals. "PL II" lights up when the Pro Logic II Movie/Music/ Game decoder is activated. "PL IIx" lights up when the Pro Logic IIx Movie/Music/ Game decoder is activated. **Note** Dolby Pro Logic IIx decoding does not function for DTS format signals or for signals with a sampling frequency of more than 48 kHz.

Name	Function
5 **OPT**	Lights up when INPUT MODE is set to "AUTO IN" and the source signal is a digital signal being input through the OPTICAL jack, or when INPUT MODE is set to "OPT IN" (page 62).
6 **DTS (-ES)/ (96/24)**	"DTS" lights up when the receiver is decoding DTS signals. "DTS-ES" lights up when the receiver is decoding DTS-ES signals. "DTS 96/24" lights up when the receiver is decoding DTS 96 kHz/24 bit signals. **Note** When playing a DTS format disc, be sure that you have made digital connections and that INPUT MODE is not set to "ANALOG" (page 62).
7 **MEMORY**	Lights up when a memory function, such as Preset Memory (page 60), etc., is activated.
8 **Tuner indicators**	Lights up when using the receiver to tune in radio stations (page 58), etc.
9 **Preset station indicators**	Lights up when using the receiver to tune in radio stations you have preset. For details on presetting radio stations, see page 60.
10 **D.RANGE**	Lights up when dynamic range compression is activated (page 44).

continued

Name	Function
11 **NEO:6**	Lights up when DTS Neo:6 Cinema/Music decoder is activated (page 53).
12 **COAX**	Lights up when INPUT MODE is set to "AUTO IN" and the source signal is a digital signal being input through the COAXIAL jack, or when INPUT MODE is set to "COAX IN" (page 62).
13 **Playback channel indicators**	The letters (L, C, R, etc.) indicate the channels being played back. The boxes around the letters vary to show how the receiver downmixes the source sound. **L** Front Left **R** Front Right **C** Center (monaural) **SL** Surround Left **SR** Surround Right **S** Surround (monaural or the surround components obtained by Pro Logic processing) **SB** Surround back (the surround back components obtained by 6.1 channel decoding) **Example:** Recording format (Front/ Surround): 3/2.1 Sound Field: A.F.D. AUTO SW L C R SL SR

Rear panel



1 DIGITAL INPUT/OUTPUT section

	OPTICAL IN jack	Connects to a DVD player, etc. The COAXIAL jack provides a better quality of loud sound (page 24, 26).
	COAXIAL IN jack	
	HDMI IN/ OUT jack[a]	Connects to a DVD player, etc. The image and the sound are output to a TV or a projector (page 21).
	DMPORT jack[b]	Connects to a DIGITAL MEDIA PORT adapter (page 64).

2 ANTENNA section

	FM ANTENNA jack	Connects to the FM wire antenna supplied with this receiver (page 29).
	AM ANTENNA terminals	Connects to the AM loop antenna supplied with this receiver (page 29).

3 COMPONENT VIDEO INPUT/ OUTPUT section

Green (Y) Blue (PB/CB) Red (PR/CR)	COMPONENT VIDEO INPUT/ OUTPUT jack[a]	Connects to a DVD player, TV, a satellite tuner, etc. You can enjoy high quality image (page 23, 24, 26).

4 SPEAKER section

	Connects to the speakers (page 17).
	Connects to the sub woofers (page 17).

5 VIDEO/AUDIO INPUT/OUTPUT section

White (L) Red (R)	AUDIO IN/ OUT jack	Connects the video and audio jacks of a VCR, DVD player, etc. (page 23, 24, 26, 27).
Yellow	VIDEO IN/ OUT jack[a]	

continued

6 AUDIO INPUT/OUTPUT section

White (L) Red (R)	AUDIO IN/ OUT jack	Connects to an Super Audio CD player or CD recorder, etc. (page 27).

7 D-LIGHT SYNC OUT section

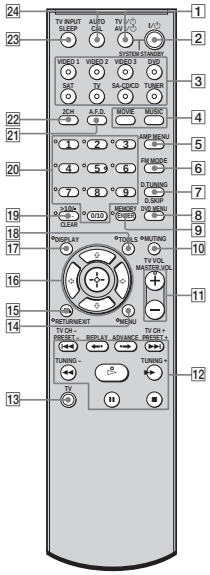
	D-LIGHT SYNC OUT jack	Connects to a lighting device (page 28).

[a] You can watch the selected input image when you connect the HDMI OUT or MONITOR OUT jack to a TV (page 23).
[b] Models of area code SP, AU only.

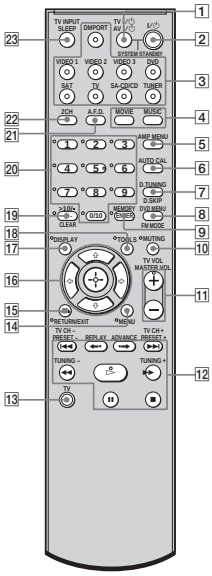
Remote commander

You can use the supplied remote RM-AAU013 (models of area code E51, MX, AR only) or RM-AAU015 (models of area code AUS, MY, SP, TH only) to operate the receiver and to control the Sony audio/video components that the remote is assigned to operate. For details, see “Changing button assignments” (page 69).

RM-AAU013
(Models of area code E51, MX, AR only)



RM-AAU015
(Models of area code AUS, MY, SP, TH only)



continued

Name	Function
1 **TV I/⏻ (on/standby)**	Press TV **I**/⏻ and TV (13) at the same time to turn the TV on or off.
AV I/⏻ (on/standby)	Press to turn on or off the Sony audio/video components that the remote is assigned to operate. If you press **I**/⏻ (2) at the same time, it will turn off the receiver and other components (SYSTEM STANDBY). **Note** The function of the AV **I**/⏻ switch changes automatically each time you press the input buttons (3).
2 **I/⏻ (on/standby)**	Press to turn the receiver on or off. To turn off all components, press **I**/⏻ and AV **I**/⏻ (1) at the same time (SYSTEM STANDBY).
3 **Input buttons**	Press one of the buttons to select the component you want to use. When you press any of the input buttons, the receiver turns on. The buttons are factory assigned to control Sony components as follows. You can change the button assignments following the steps in “Changing button assignments” on page 69.

Button	Assigned Sony component
VIDEO 1	VCR (VTR mode 3)
VIDEO 2	VCR (VTR mode 1)
VIDEO 3	Not assigned
DVD	DVD player
SAT	Digital Satellite Receiver
TV	TV
SA-CD/CD	Super Audio CD/ CD player
TUNER	Built-in tuner
DMPORT (RM-AAU015 only)	DIGITAL MEDIA PORT adapter

Name	Function
4 **MOVIE**	Press to select sound fields (MOVIE).
MUSIC	Press to select sound fields (MUSIC).
5 **AMP MENU**	Press to display the menu of the receiver. Then, use ♣, ♦, ←, → and ⊕ (16) to perform menu operations.
6 **FM MODE (RM-AAU013 only)**	Press to select the FM monaural or stereo reception.
AUTO CAL (RM-AAU015 only)	Press to activate the Auto Calibration function (page 33).
7 **D.TUNING**	Press to enter direct tuning mode.
D.SKIP	Press to skip a disc when using a multi-disc changer.
8 **DVD MENU**	Press to display the menu of the DVD player on the TV screen. Then, use ♣, ♦, ←, → and ⊕ (16) to perform menu operations.
FM MODE (RM-AAU015 only)	Press to select the FM monaural or stereo reception.
9 **ENTER**	Press to enter the value after selecting a channel, disc or track using the numeric buttons of the TV, VCR or satellite tuner.
MEMORY	Press to store a station.
10 **MUTING**	Press to activate the muting function. Press MUTING and TV (13) at the same time to activate the TV’s muting function.
11 **TV VOL +[a]/–**	Press TV VOL +/– and TV (13) at the same time to adjust the TV volume level.
MASTER VOL +[a]/–	Press to adjust the volume level of all speakers at the same time.

Name	Function
12 **TV CH +/–**	Press TV CH +/– and TV (13) at the same time to select preset TV channels.
PRESET +/–	Press to select – preset stations. – preset channels of the VCR or satellite tuner.
I◄◄ /►►I [b]	Press to skip a track of the CD player, DVD player or Blu-ray disc player.
REPLAY ↞· / ADVANCE ·↠	Press to replay the previous scene or fast forward the current scene of the VCR, DVD player or Blu-ray disc player.
◄◄/►► [b]	Press to – search tracks in the forward/reverse direction of the DVD player. – start fast forward/rewind of the VCR, CD player or Blu-ray disc player.
TUNING +/–	Press to scan a station.
▻ [a][b]	Press to start playback of the VCR, CD player, DVD player or Blu-ray disc player.
II [b]	Press to pause playback or recording of the VCR, CD player, DVD player or Blu-ray disc player. (Also starts recording with components in recording standby.)
■ [b]	Press to stop playback of the VCR, CD player, DVD player or Blu-ray disc player.
13 **TV**	Press TV and the button you want at the same time to activate the buttons with orange printing.
14 **MENU**	Press to display the menu of the VCR, DVD player, satellite tuner or Blu-ray disc player on the TV screen. Press MENU and TV (13) at the same time to display the TV's menu. Then, use ↑, ↓, ←, → and ⊕ (16) to perform menu operations.

Name	Function
15 **RETURN/ EXIT ↶**	Press to – return to the previous menu. – exit the menu while the menu or on-screen guide of the VCR, DVD player, satellite tuner or Blu-ray disc player is displayed on the TV screen. Press RETURN/EXIT and TV (13) at the same time to return to the previous menu or exit the TV's menu while the menu is displayed on the TV screen.
16 ⊕ ↑/↓/←/→	After pressing AMP MENU (5), DVD MENU (8) or MENU (14), press ↑, ↓, ← or → to select the settings. Then, press ⊕ to enter the selection for DVD MENU or MENU. Press ⊕ also to enter the selection of the receiver, VCR, satellite tuner, CD player, DVD player or Blu-ray disc player.
17 **DISPLAY**	Press to select information displayed on the TV screen of the VCR, satellite tuner, CD player, DVD player or Blu-ray disc player. Press DISPLAY and TV (13) at the same time to select TV information displayed on the TV screen.
18 **TOOLS**	Press to display options applicable to the entire disc (e.g. disc protection), recorder (e.g. audio settings during recording), or multiple items on a list menu (e.g. erasing multiple titles). Press TOOLS and TV (13) at the same time to display options applicable to the TV.

Name	Function
19 **>10/·**	Press to select – track numbers over 10 of the VCR, satellite tuner or CD player. – channel numbers of the Digital CATV terminal.
-/--	Press -/-- and TV (13) at the same time to select the channel entry mode, either one or two digits of the TV.
CLEAR	Press to clear a mistake when you press the incorrect numeric button.
20 **Numeric buttons (number 5** [a]**)**	Press to – preset/tune to preset stations. – select track numbers of the CD player, DVD player or Blu-ray disc player. Press 0/10 to select track number 10. – select channel numbers of the VCR or satellite tuner. Press the numeric buttons and TV (13) at the same time to select the TV channels.
21 **A.F.D.**	Press to select A.F.D. mode.
22 **2CH**	Press to select 2CH STEREO mode.
23 **TV INPUT**	Press TV INPUT and TV (13) at the same time to select the input signal (TV input or video input).
SLEEP	Press to activate the Sleep Timer function and the duration which the receiver turns off automatically.
24 **AUTO CAL (RM-AAU013 only)**	Press to activate the Auto Calibration function.

[a] The number 5, MASTER VOL +, TV VOL + and ▻ buttons have tactile dots. Use the tactile dots as references when operating the receiver.

[b] This button is also available for DIGITAL MEDIA PORT adapter operation. For details on the function of the button, see the operating instructions supplied with the DIGITAL MEDIA PORT adapter.

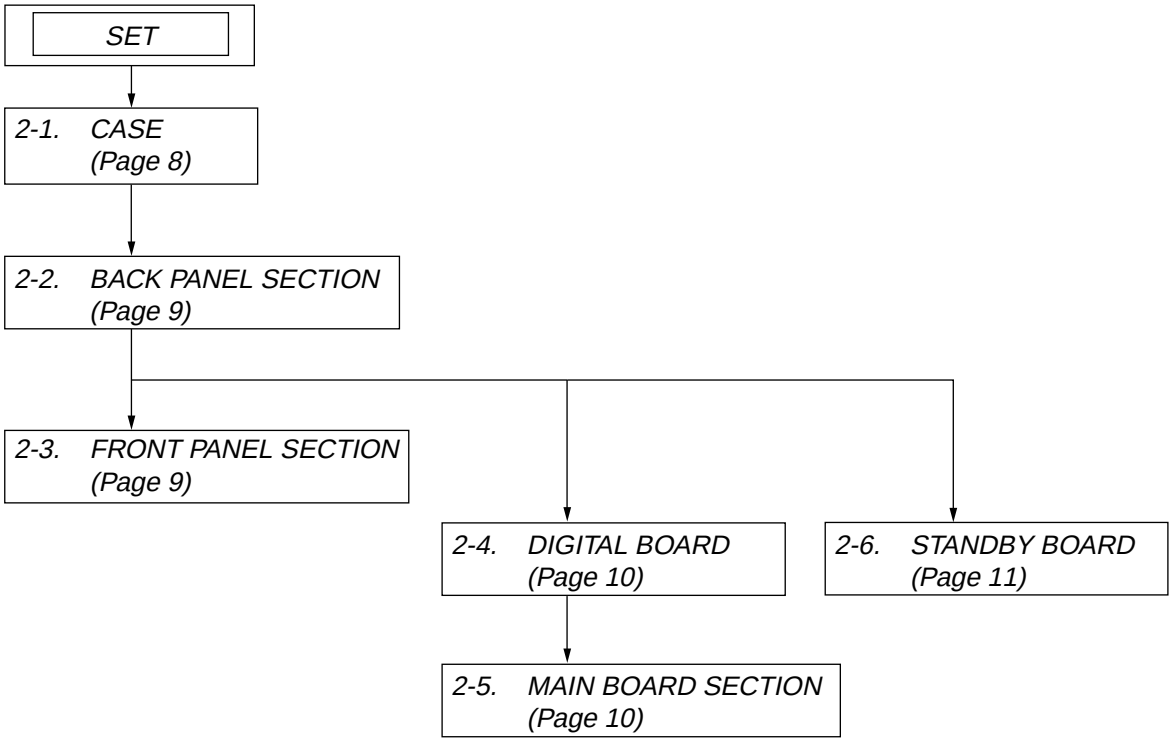
Notes

- The VIDEO 3 button on the remote is not available for receiver operation.
- Some functions explained in this section may not work depending on the model.
- The above explanation is intended to serve as an example only. Therefore, depending on the component, the above operation may not be possible or may operate differently than described.

continued

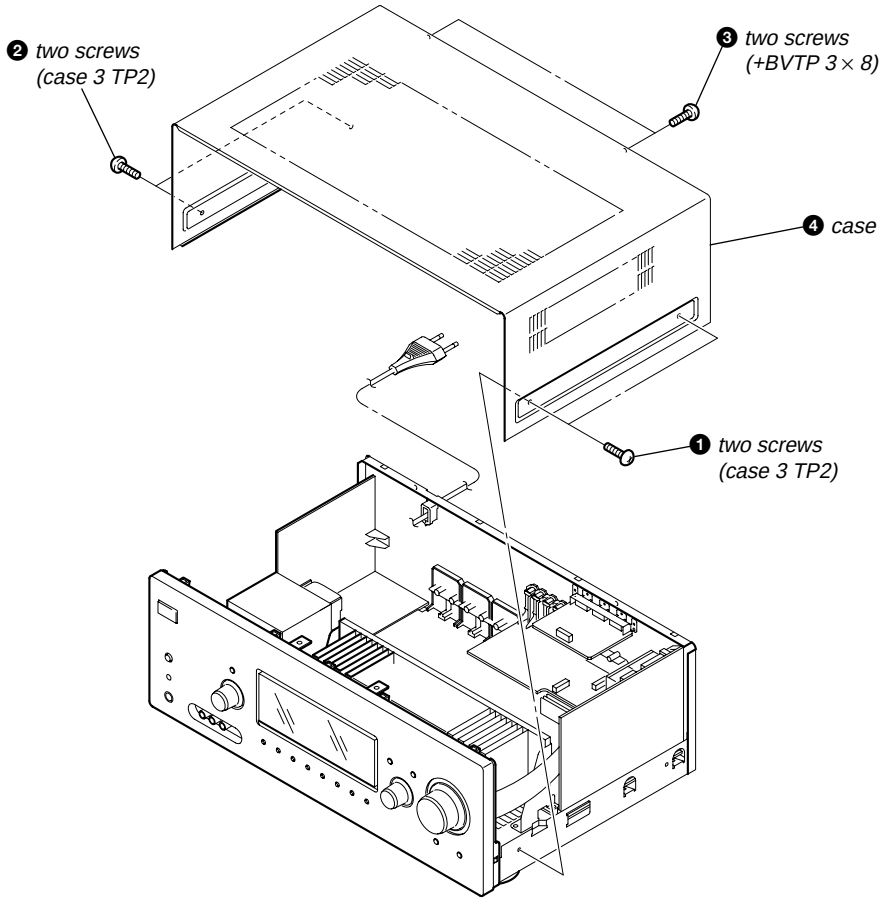
SECTION 2
DISASSEMBLY

Note : This set can be disassemble according to the following sequence.

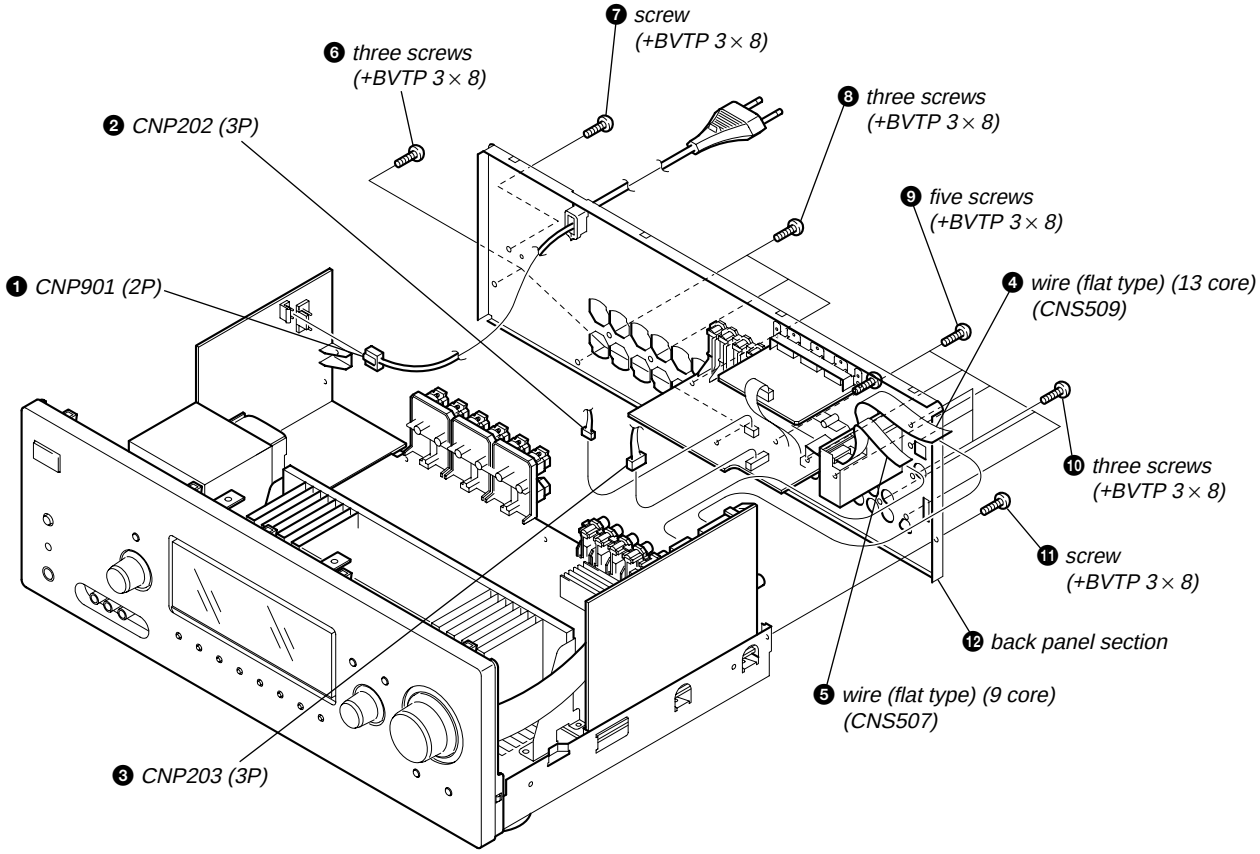


Note : Follow the disassembly procedure in the numerical order given.

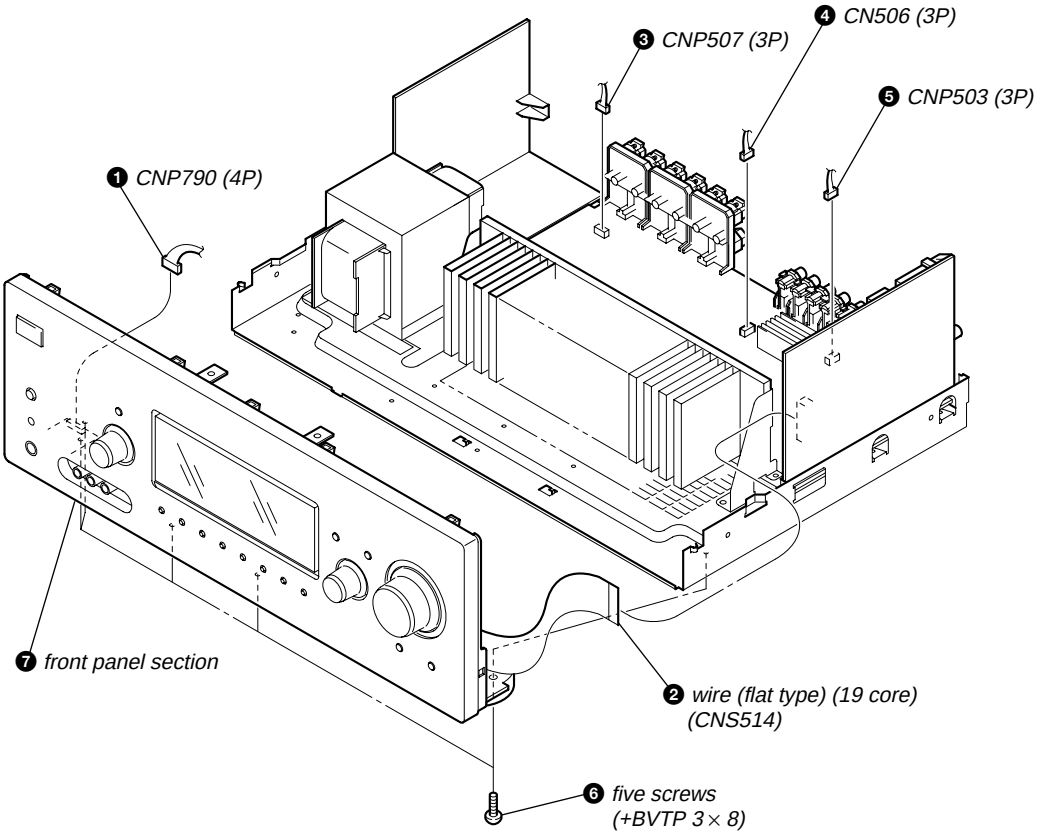
2-1. CASE



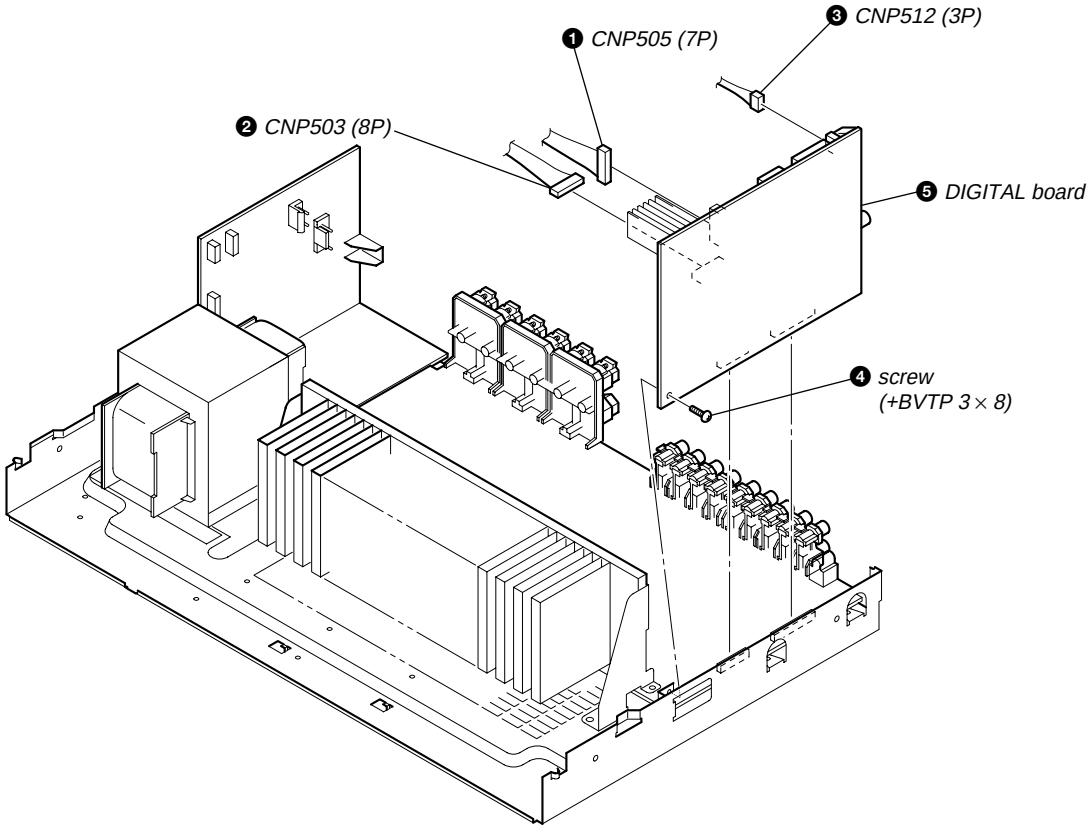
2-2. BACK PANEL SECTION


❼ screw (+BVTP 3× 8)
❻ three screws (+BVTP 3× 8)
❽ three screws (+BVTP 3× 8)
❷ CNP202 (3P)
❾ five screws (+BVTP 3× 8)
❶ CNP901 (2P)
❹ wire (flat type) (13 core) (CNS509)
❿ three screws (+BVTP 3× 8)
⓫ screw (+BVTP 3× 8)
⓬ back panel section
❺ wire (flat type) (9 core) (CNS507)
❸ CNP203 (3P)

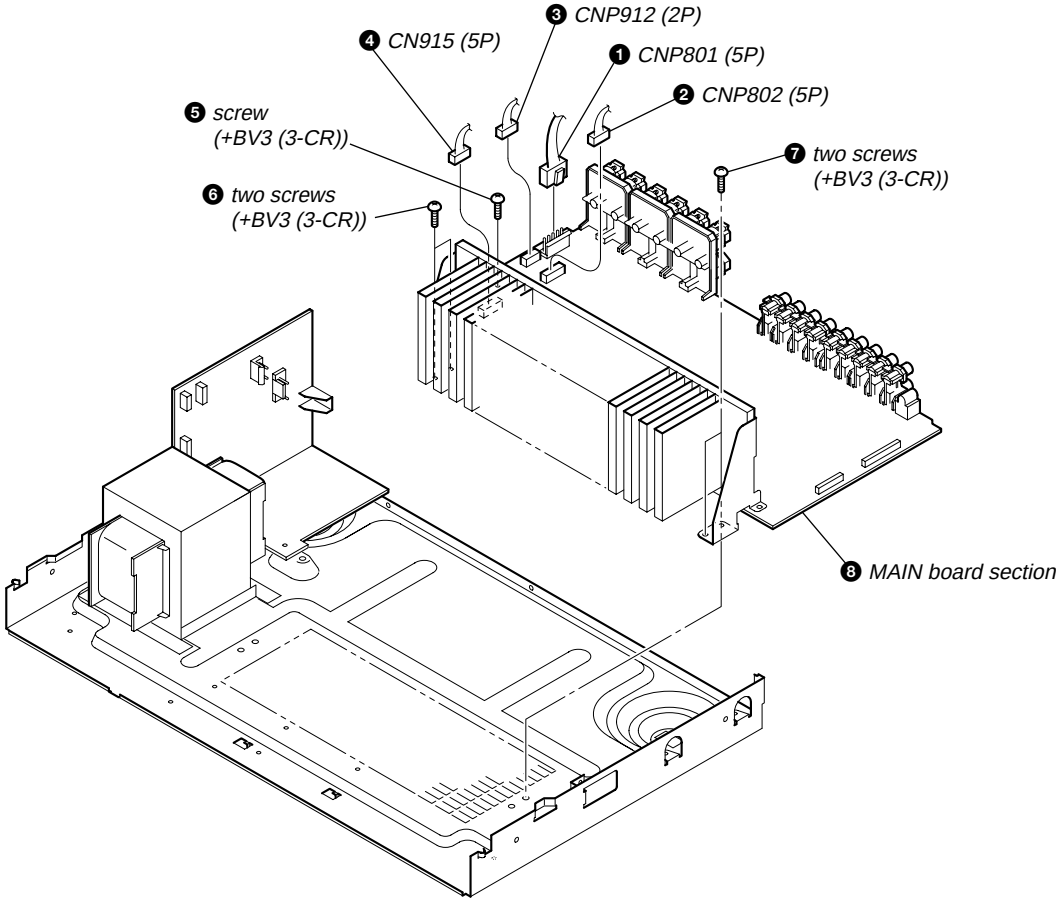
2-3. FRONT PANEL SECTION



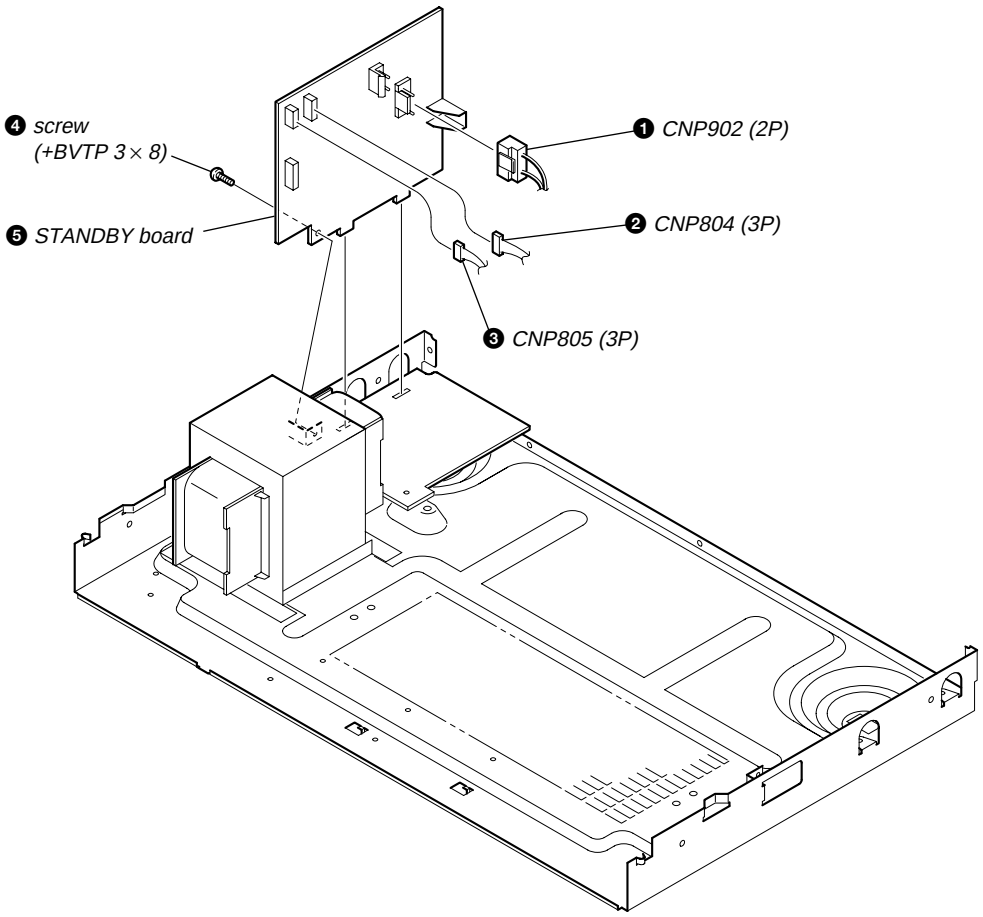
2-4. DIGITAL BOARD



2-5. MAIN BOARD SECTION



2-6. STANDBY BOARD



SECTION 3
TEST MODE

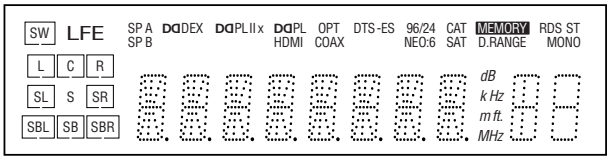
AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE (E51 model only)

* Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.
* Procedure:
  Turn the [INPUT SELECTOR] control to set AM and press the [I/⏻] button to turn off the main power.
  While depressing the [TUNING MODE] button, press the [I/⏻] button to turn on the main power.
  Either the message “9k STEP” or “10k STEP” appears for a moment and select the desired step.

VACUUM FLUORESCENT DISPLAY TEST MODE

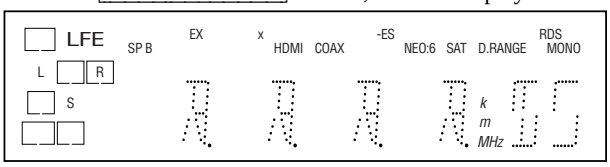
* All fluorescent segments are tested.
  When this test is activated, all segments light on at the same time, then each segment lights on one after another.
* Procedure:
  While depressing the [DIMMER] and the [DISPLAY] buttons simultaneously, press the [I/⏻] button to turn on the main power.

1. ALL segments light on.



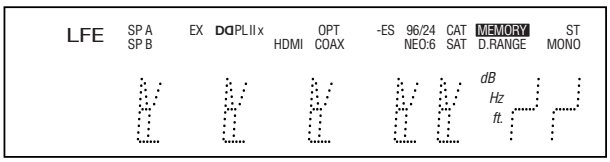
[MULTI CHANNEL DECODING] LED light on.

2. Turn the [INPUT SELECTOR] control, confirm display.



[MULTI CHANNEL DECODING] LED light off.

3. Turn the [INPUT SELECTOR] control, confirm display.



[MULTI CHANNEL DECODING] LED light on.

4. Turn the [INPUT SELECTOR] control, all segments and LED light off.

SOUND FIELD CLEAR MODE

* The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.
* Procedure:
  While depressing the [2CH] button, press the [I/⏻] button to turn on the main power.
  The message “S.F. CLR.” appears for a moment and initialization is performed.

SOFTWARE VERSION DISPLAY MODE

* The software version is displayed.
* Procedure:
  While depressing the [AUTO CAL] and the [DISPLAY] buttons simultaneously, press the [I/⏻] button to turn on the main power.
  The model name, destination and the software version are displayed for a moment.

KEY CHECK MODE

* Button check
* Procedure:
  While depressing the [AUTO CAL] and the [2CH] buttons simultaneously, press the [I/⏻] button to turn on the main power.
  Either the message “REST 14” appears.
  Every pressing of any button other than the [I/⏻] counts down the buttons. The buttons which are already counted once are not counted again. When all buttons are pressed “REST 00” appears.

SWAP ALL MODE

* The signal will be swap to all channel so that all speaker will have sound output.
* Procedure:

1. While depressing the [AUTO CAL] and the [A.F.D.] buttons simultaneously, press the power [I/⏻] button to turn on the main power.
2. “SWP. ALL” appears. (No change while displayed.)

SHIPMENT MODE

All preset contents are reset to the default setting.

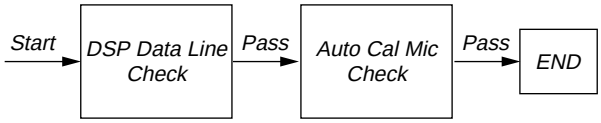
* Procedure:

1. While depressing the [AUTO CAL] and the [MUSIC] buttons simultaneously, press the power [I/⏻] button to turn on the main power.
2. “CLEARED” appears and switch off the set.

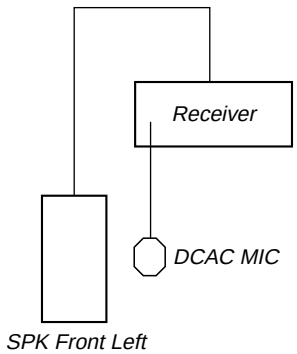
DCAC FACTORY TEST MODE

DCAC Factory Test mode have two stages:

1. DCAC DSP Data Line Checking
2. DCAC board Checking



Factory Test System Setup



1. When power off:
   Press the three buttons [MEMORY/ENTER] + [MOVIE] + [I/⏻].
   “DCAC□FTM” appears.
   Afterward, press the [TUNING MODE] to start DCAC factory test mode.

SECTION 4
FM TUNER CHECK

1. DCAC DSP Data Line Checking

After press the [TUNING MODE], DCAC Factory test mode will start, below display will show:
"DCAC□□□x" x=1, 2, 3
If there is error happen, below display will show:

"ERR□SD0x" x=1 ⟶ D1501 or R1530 problem
x=2 ⟶ D1502 problem
x=3 ⟶ D1503 problem

2. DCAC board Checking

Connect front left speaker of the receiver and AUTO CAL microphone. Turn [MASTER VOLUME] jog, there will be test tone sound output from front left speaker, and the display will change accordingly.

"AD□-□xxx" xxx=0 to 255 (depends on loudness of test tone)

FM AUTO STOP CHECK

(1) Turn on the set.
(2) Input the following signal from Signal Generator to FM antenna input directly.

* Carrier Frequency: A=87.5 MHz, B=98 MHz, C=108 MHz
Deviation : 75 kHz
Modulation : 1 kHz
ANT input : 35 dBu (EMF)

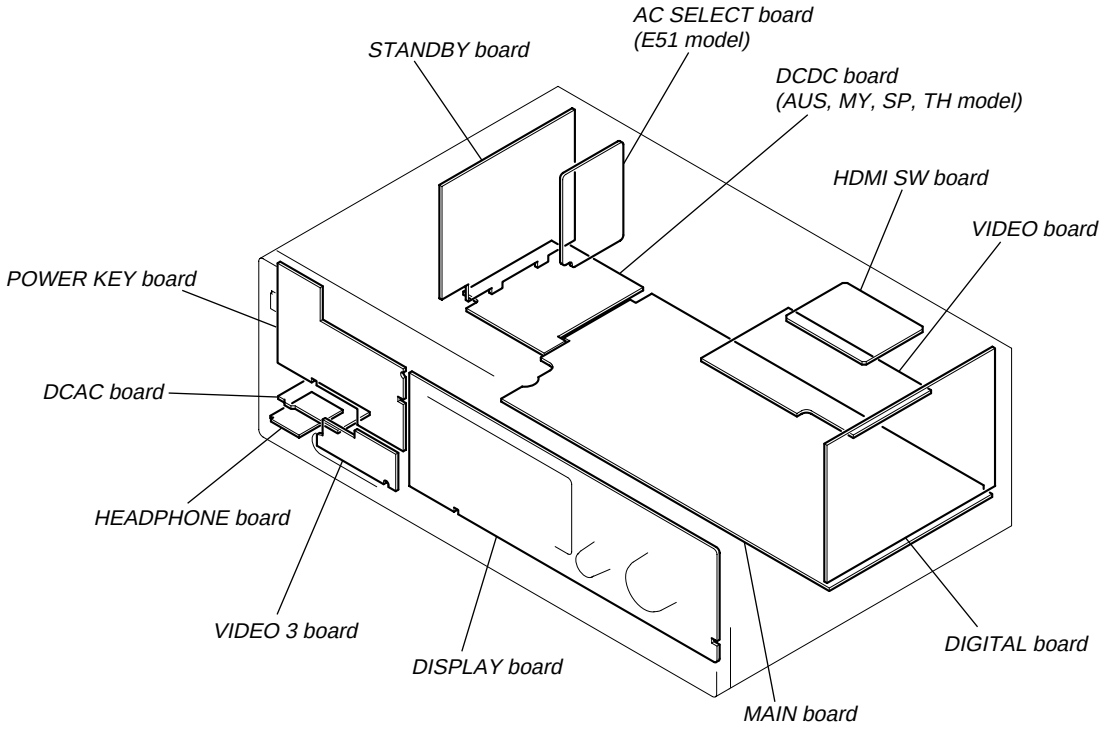
(Note)
Please use 75 ohm "coaxial cable" to connect SG and the set. You cannot use video cable for checking.
Please use SG whose output impedance is 75 ohm.

(3) Set to FM tuner function and scan the input FM signal with automatic scanning.
(4) Confirm that input Frequency of A, B and C are detected and automatic scanning stops.

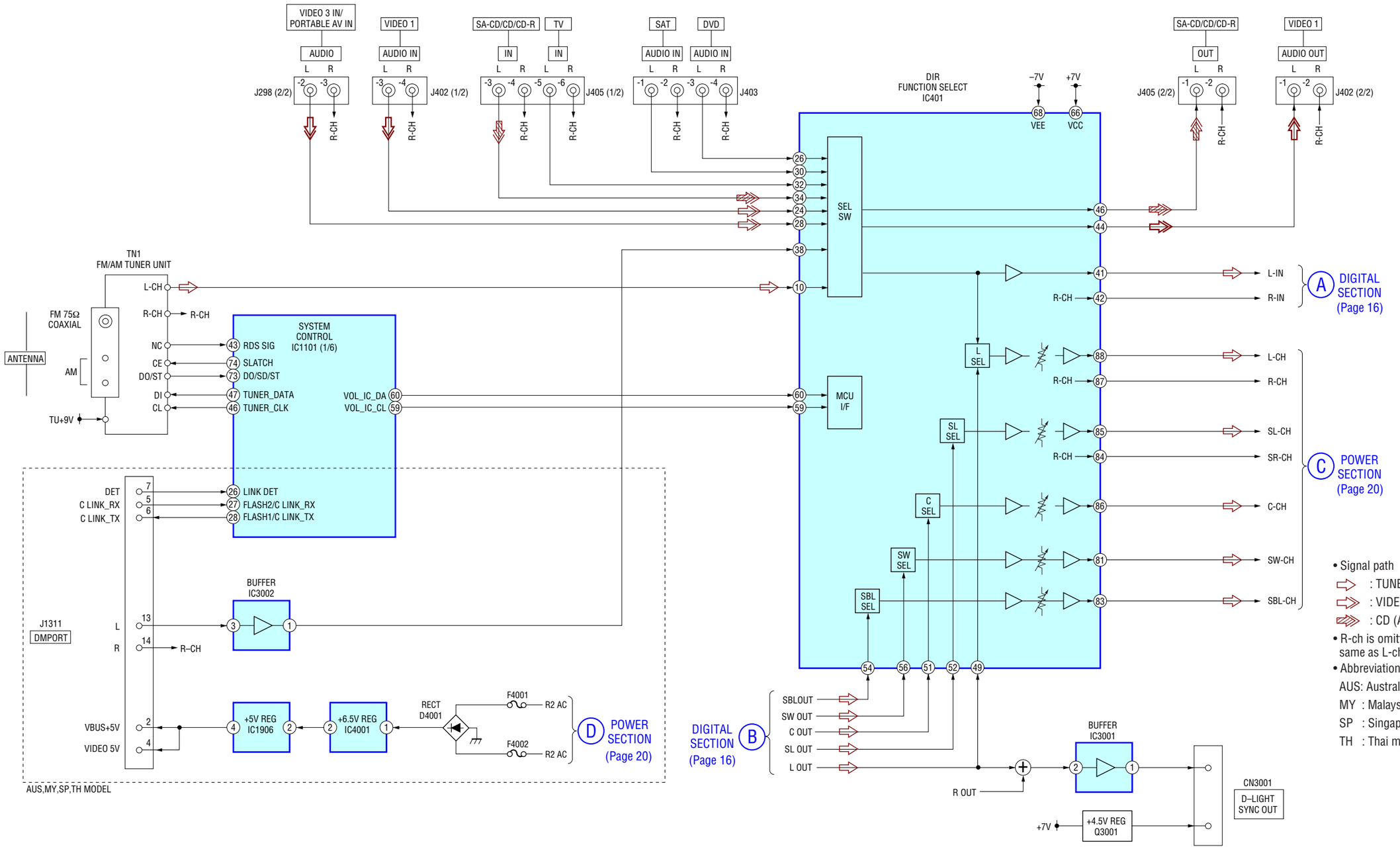
The stop of automatic scanning means "The station signal is received in good condition."

SECTION 5
DIAGRAMS

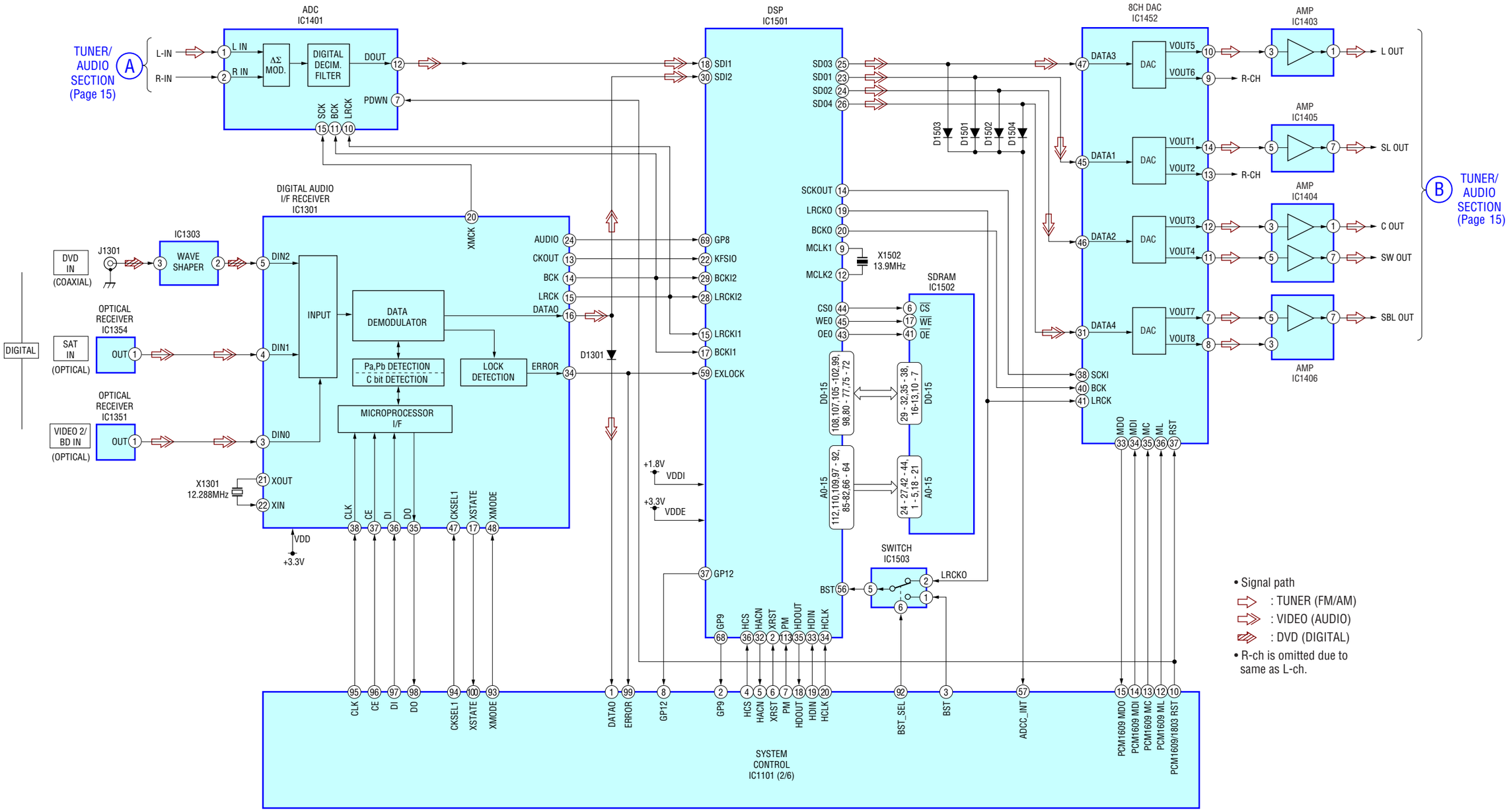
• Circuit Boards Location



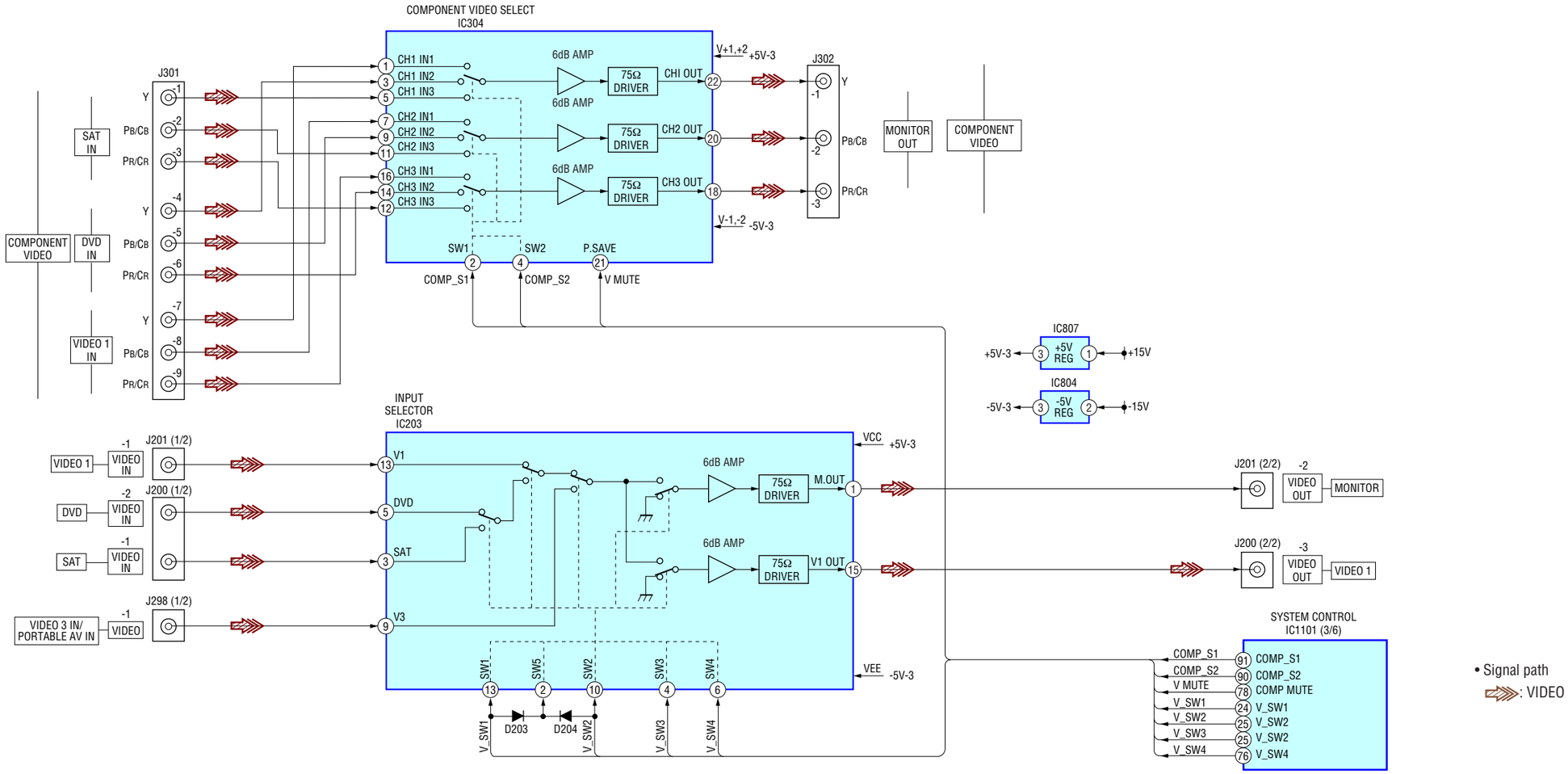
5-1. BLOCK DIAGRAM — TUNER/AUDIO SECTION —



5-2. BLOCK DIAGRAM — DIGITAL SECTION —

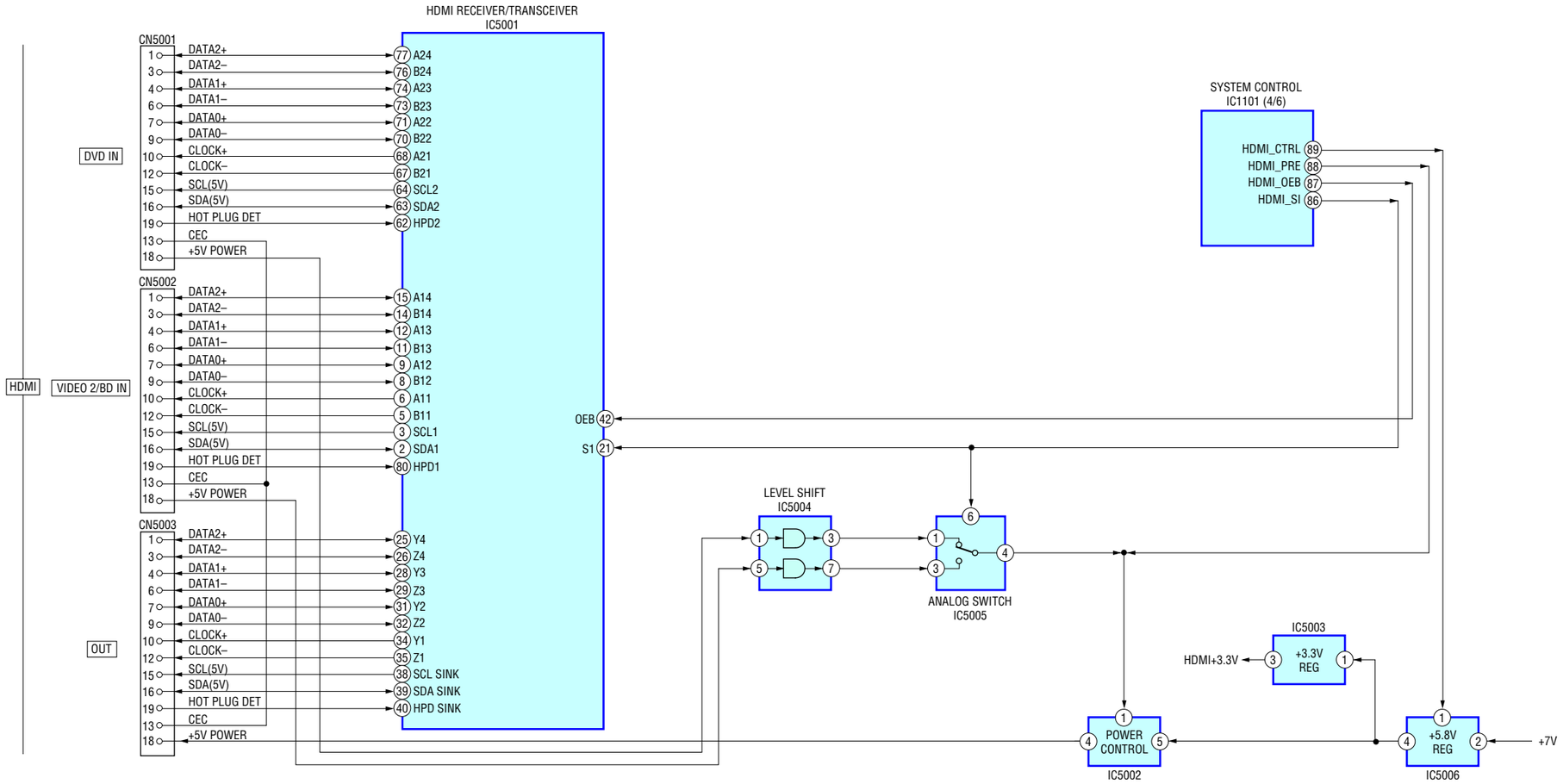


5-3. BLOCK DIAGRAM — VIDEO SECTION —

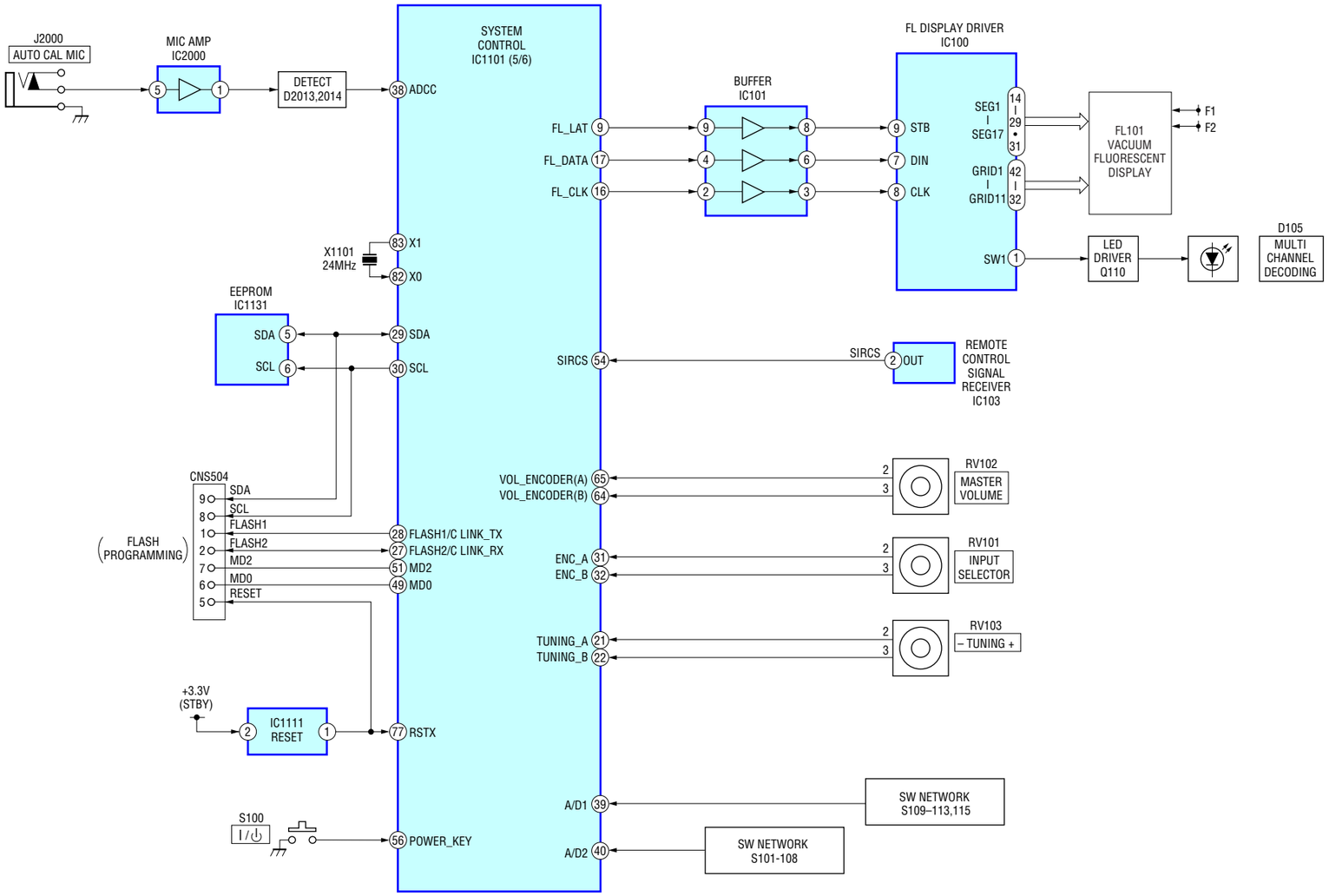


• Signal path
: VIDEO

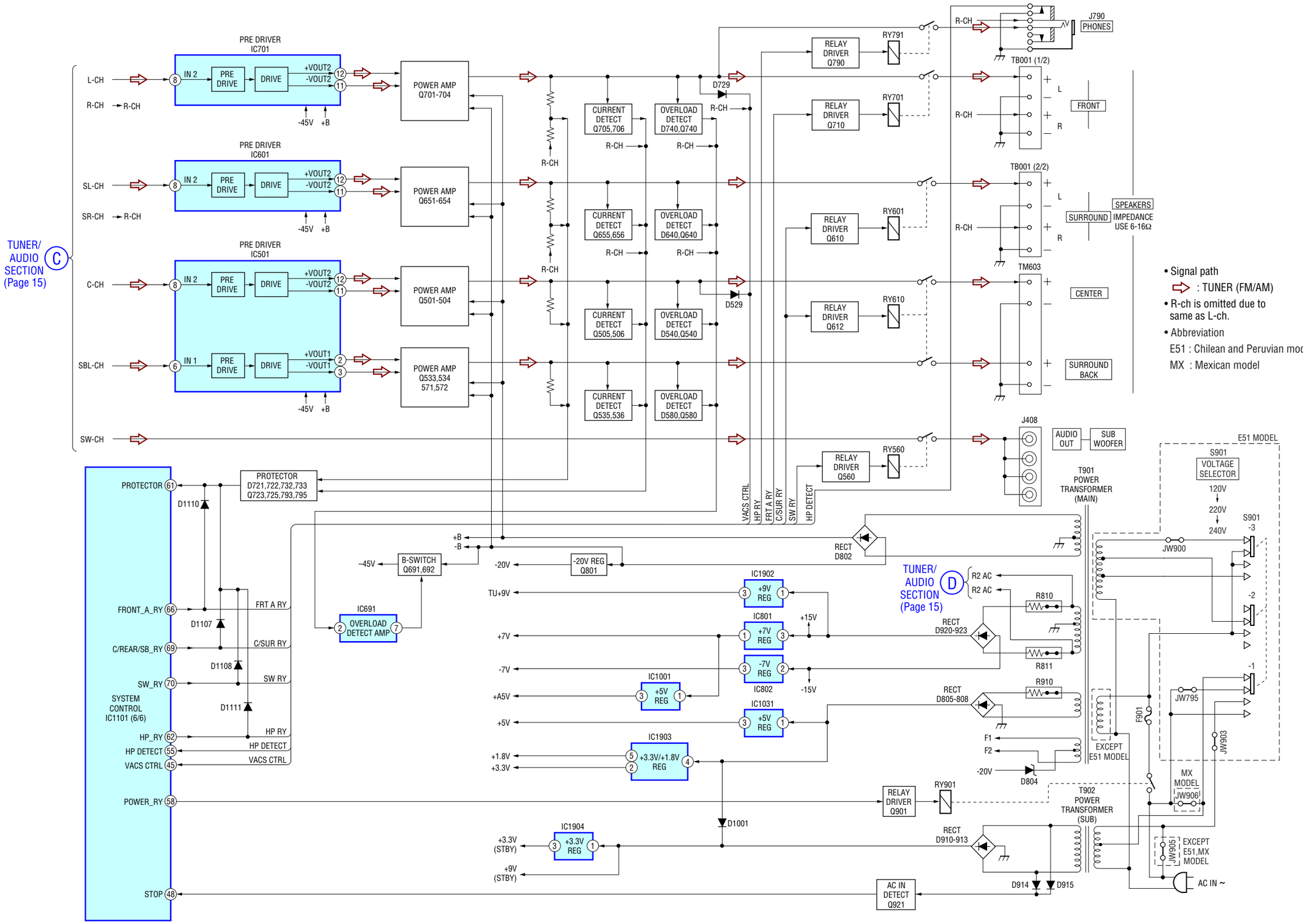
5-4. BLOCK DIAGRAM — HDMI SW SECTION —



5-5. BLOCK DIAGRAM — KEY/DISPLAY SECTION —



5-6. BLOCK DIAGRAM — POWER SECTION —



- Signal path
  ⇨ : TUNER (FM/AM)
- R-ch is omitted due to same as L-ch.
- Abbreviation
  E51 : Chilean and Peruvian models
  MX : Mexican model

THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.
(In addition to this, the necessary note is printed in each block.)

for schematic diagram:

- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

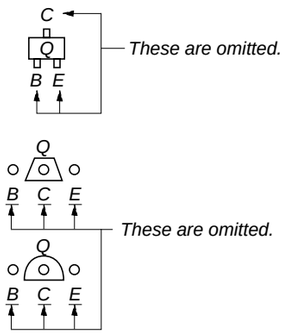
- : B+ Line.
- : B– Line.
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  no mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  : TUNER (FM/AM)
  : VIDEO (AUDIO)
  : VIDEO
  : DVD (DIGITAL)
  : CD (ANALOG)
- Abbreviation
  AUS : Australian model
  MY : Malaysia model
  SP : Singapore model
  TH : Thai model
  AR : Argentina model
  E51 : Chilean and Peruvian models
  MX : Mexican model

for printed wiring boards:

- ○——— : parts extracted from the component side.
- △ : internal component.
- : Pattern from the side which enables seeing.

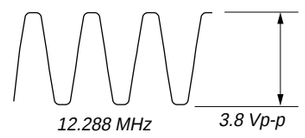
Caution:
Pattern face side: (Side B) Parts on the pattern face side seen from the pattern face are indicated.
Parts face side: (Side A) Parts on the parts face side seen from the parts face are indicated.

- Abbreviation
  AUS : Australian model
  MY : Malaysia model
  SP : Singapore model
  TH : Thai model
  E51 : Chilean and Peruvian models
  MX : Mexican model



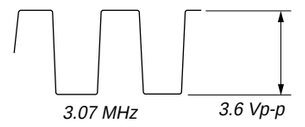
• Waveforms
— DIGITAL Board —

① IC1301 ⑬ (CKOUT)



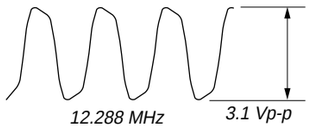
1V/DIV, 50nsec/DIV

② IC1301 ⑭ (BCK)



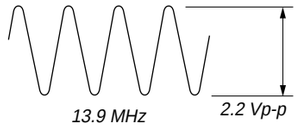
1V/DIV, 0.2µs/DIV

③ IC1301 ㉑ (XOUT)



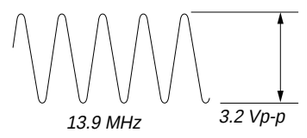
1V/DIV, 50nsec/DIV

④ IC1501 ⑨ (MCLK1)



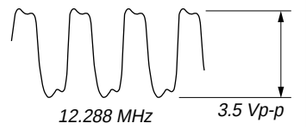
1V/DIV, 50nsec/DIV

⑤ IC1501 ⑫ (MCLK2)



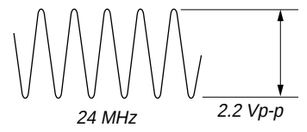
1V/DIV, 50nsec/DIV

⑥ IC1501 ⑭ (SCKOUT)



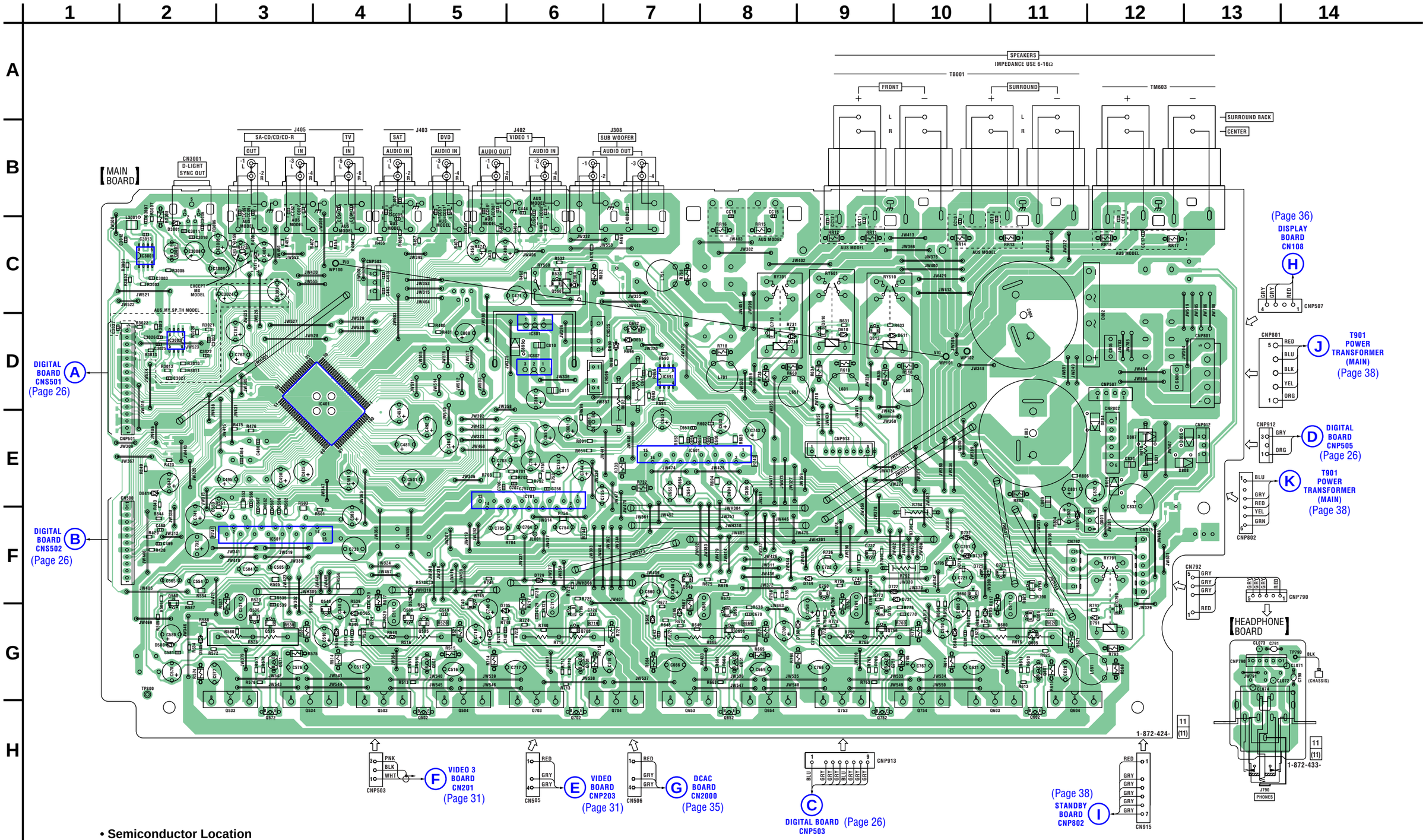
1V/DIV, 50nsec/DIV

⑦ IC1101 ㉝ (X1)



1V/DIV, 50nsec/DIV

5-7. PRINTED WIRING BOARDS — MAIN SECTION — • Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.

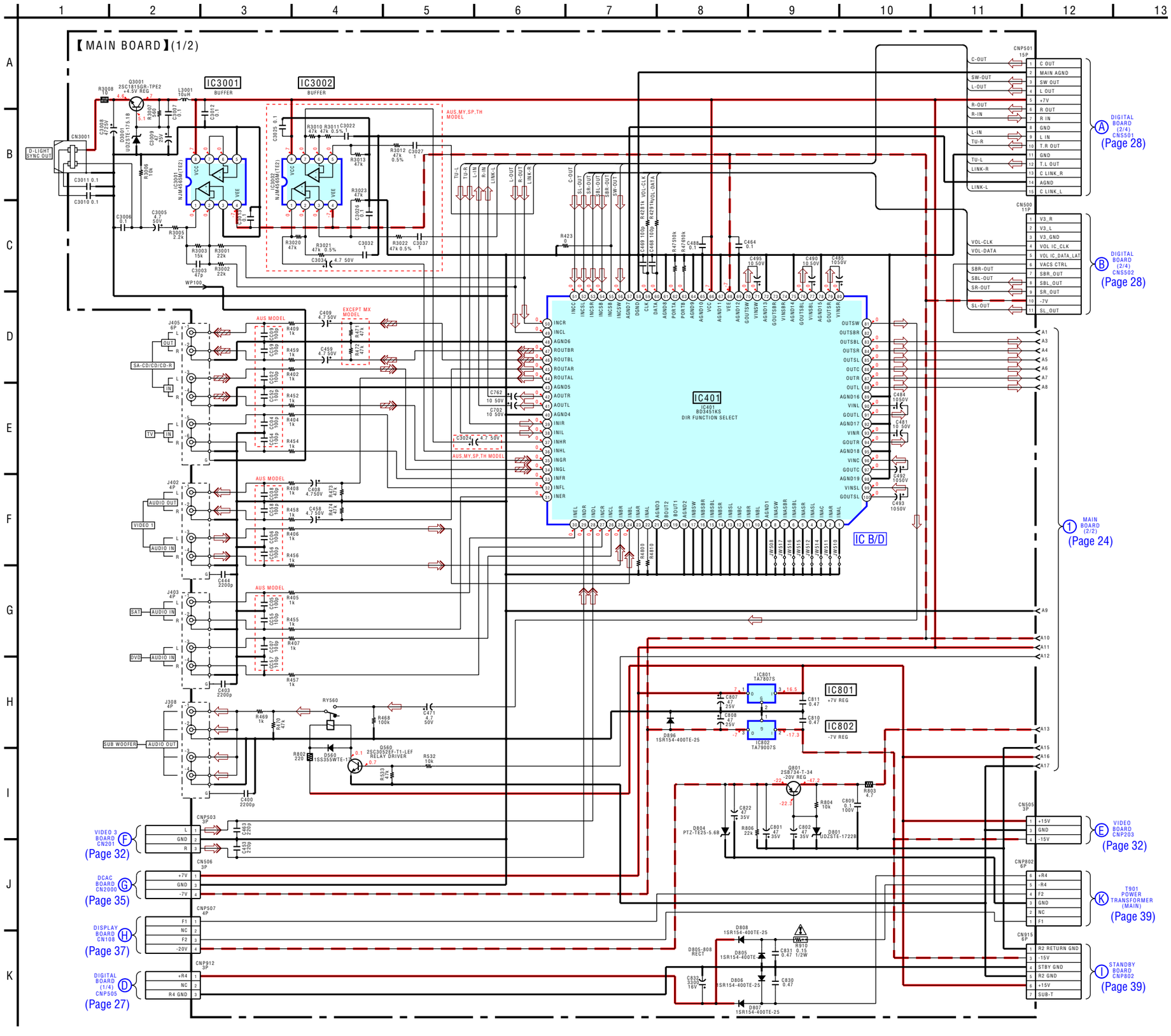


• **Semiconductor Location**

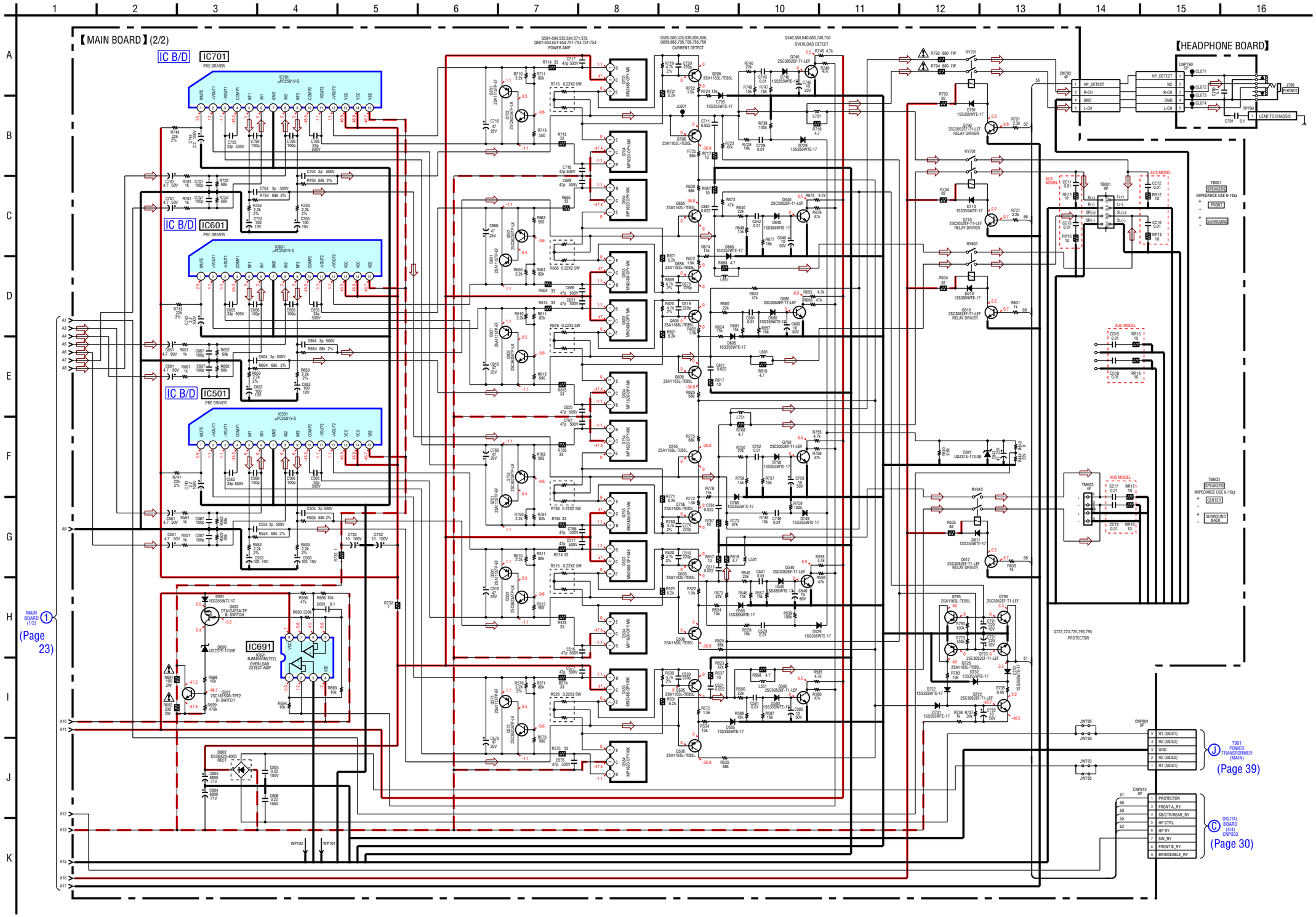
Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D505	G-4	D665	G-7	D733	F-10	D806	E-12	IC691	D-7	Q504	H-5	Q572	H-3	Q640	F-7	Q701	G-6	Q740	G-5	Q795	F-10
D529	F-4	D680	G-10	D740	G-5	D807	E-12	IC701	E-6	Q505	G-5	Q580	F-2	Q651	G-8	Q702	H-6	Q750	F-9	Q801	F-12
D540	G-4	D690	D-7	D749	F-9	D808	E-12	IC801	D-6	Q506	G-4	Q601	G-11	Q652	H-8	Q703	H-6	Q751	G-9	Q3001	C-2
D560	C-6	D691	D-7	D750	G-9	D841	E-2	IC802	D-6	Q533	H-3	Q602	H-11	Q653	H-7	Q704	H-7	Q752	H-9		
D580	G-2	D705	G-5	D765	G-9	D896	D-6	IC3001	C-2	Q534	H-3	Q603	H-11	Q654	H-8	Q705	G-6	Q753	H-9		
D585	G-2	D710	D-8	D791	G-12	D3001	C-2	(IC3002)	D-2	Q535	G-3	Q604	H-11	Q655	G-8	Q706	G-6	Q754	H-10		
D605	G-10	D721	F-10	D801	F-11					Q536	G-3	Q605	G-11	Q656	G-8	Q710	D-8	Q755	G-9		
D610	D-9	D722	F-9	D802	D-12	IC401	D-4	Q501	G-5	Q540	G-4	Q606	G-11	Q680	F-10	Q722	F-9	Q756	G-9		
D611	D-10	D729	F-6	D804	E-12	IC501	F-3	Q502	H-5	Q560	C-6	Q610	D-9	Q691	E-6	Q723	F-11	Q790	G-12		
D640	G-7	D732	F-10	D805	E-12	IC601	E-7	Q503	H-4	Q571	G-3	Q612	D-9	Q692	D-7	Q725	F-10	Q793	F-11		

( ): AUS, MY, SP, TH model

5-8. SCHEMATIC DIAGRAM — MAIN SECTION (1/2) — • Refer to page 41 for IC Block Diagrams.

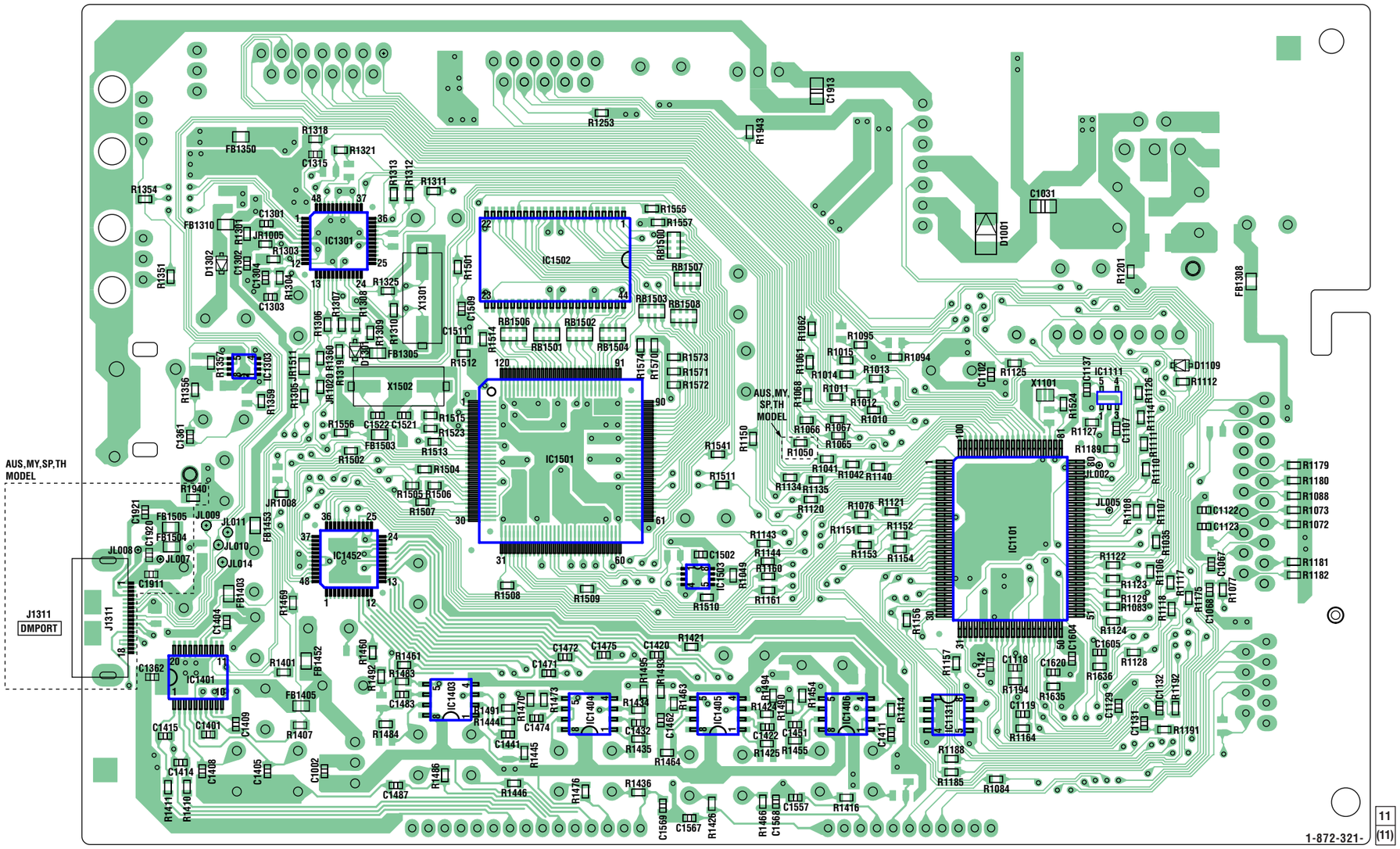


5-9. SCHEMATIC DIAGRAM — MAIN SECTION (2/2) — • Refer to page 41 for IC Block Diagrams.



5-10. PRINTED WIRING BOARD — DIGITAL SECTION (1/2) — • Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.

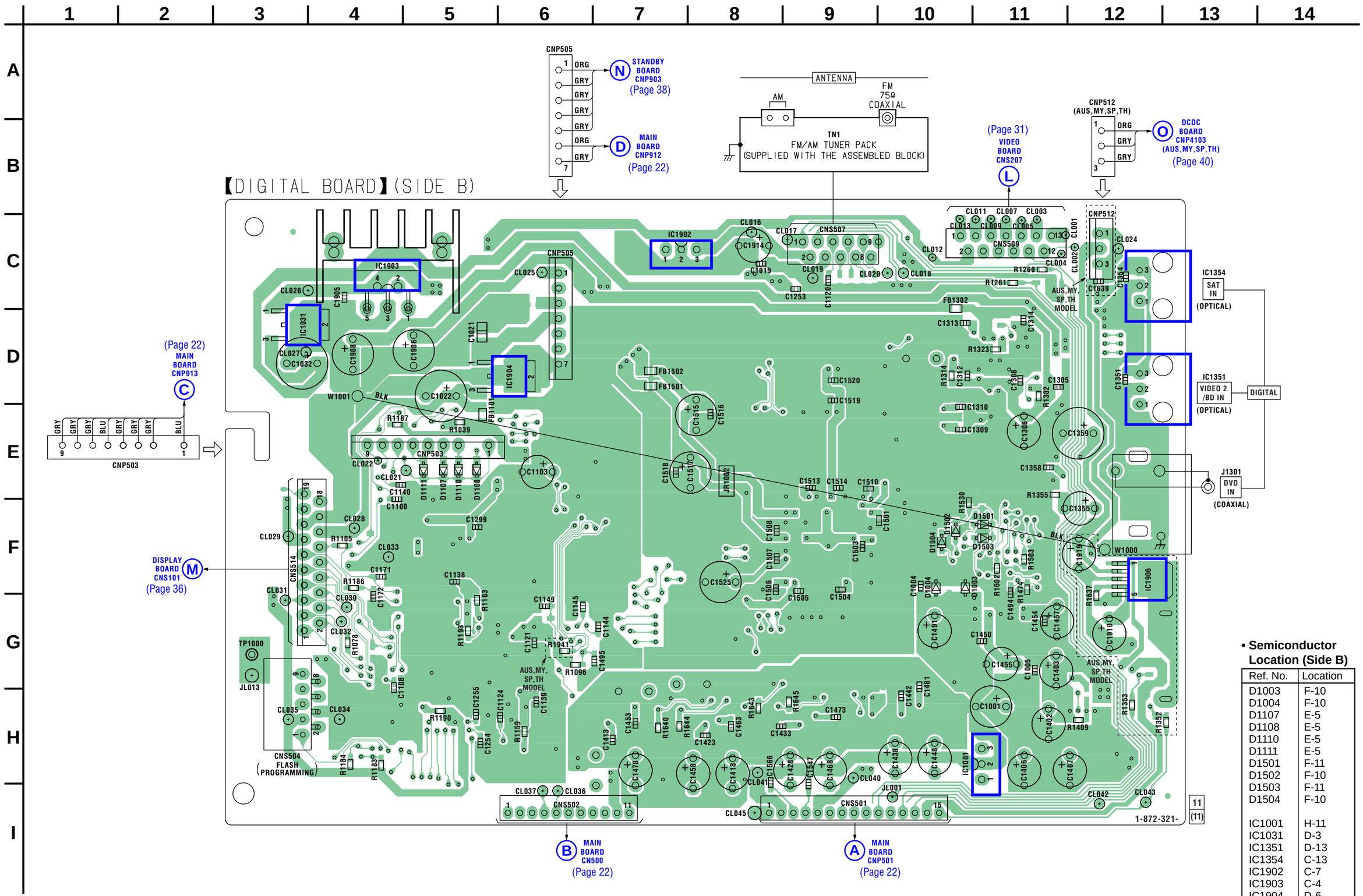
【DIGITAL BOARD】(SIDE A)



• **Semiconductor Location (Side A)**

Ref. No.	Location
D1001	D-6
D1109	E-4
D1301	E-11
D1302	D-12
IC1101	G-5
IC1111	E-5
IC1131	H-6
IC1301	D-11
IC1303	E-11
IC1401	H-12
IC1403	H-10
IC1404	H-9
IC1405	H-8
IC1406	H-7
IC1452	G-11
IC1501	F-9
IC1502	D-9
IC1503	G-8

5-11. PRINTED WIRING BOARD — DIGITAL SECTION (2/2) — • Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.

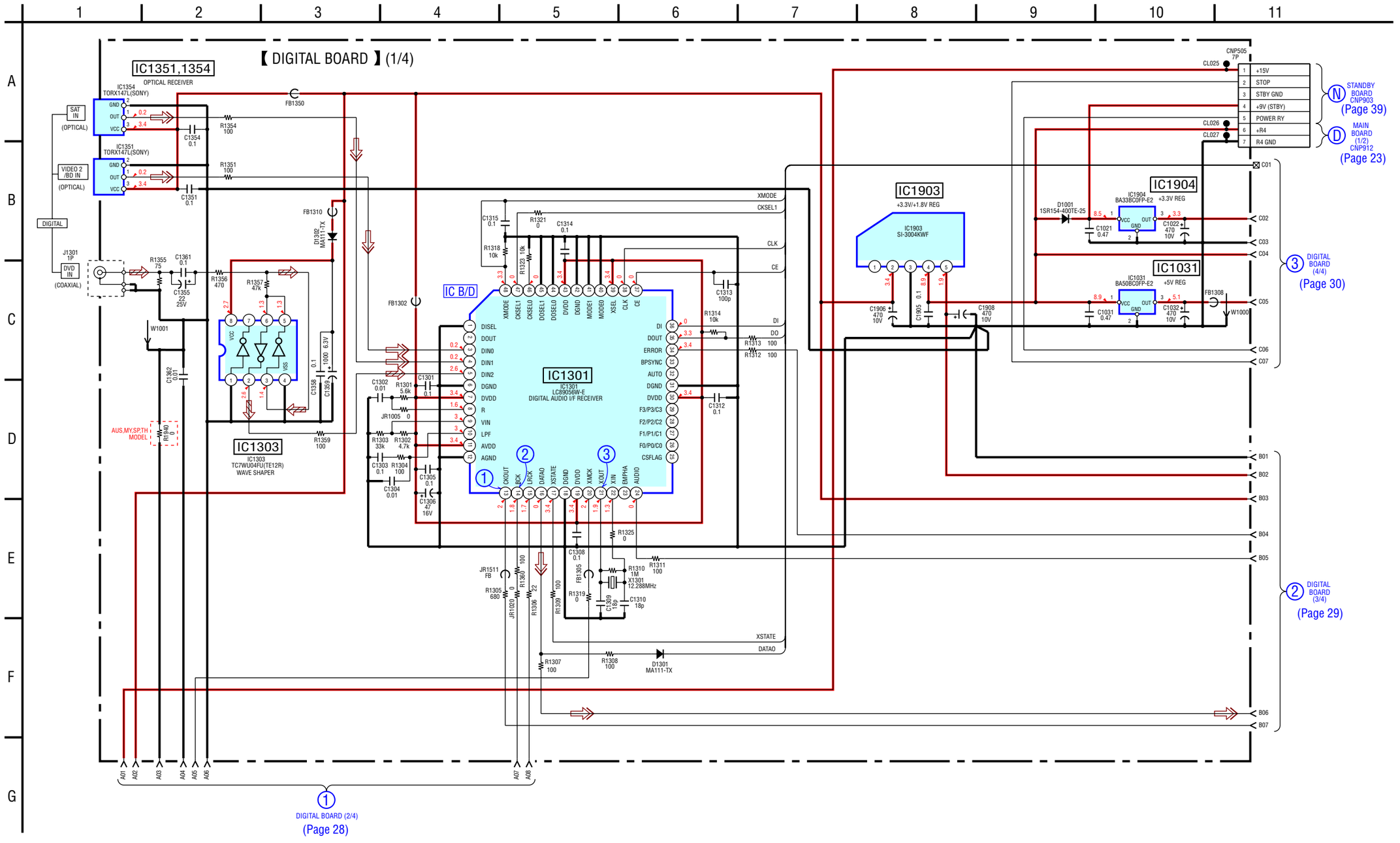


- **Semiconductor Location (Side B)**

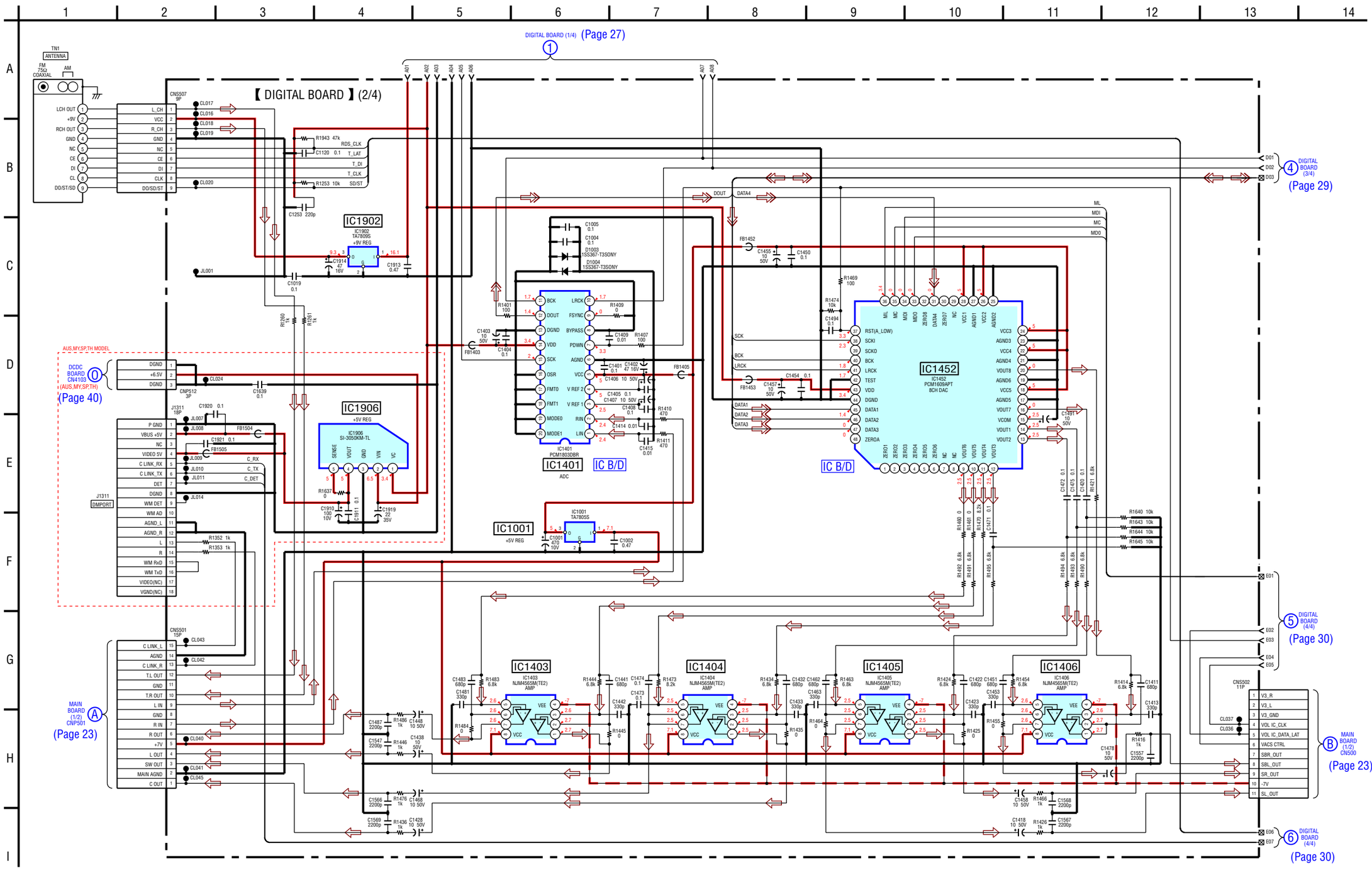
Ref. No.	Location
D1003	F-10
D1004	F-10
D1107	E-5
D1108	E-5
D1110	E-5
D1111	E-5
D1501	F-11
D1502	F-10
D1503	F-11
D1504	F-10
IC1001	H-11
IC1031	D-3
IC1351	D-13
IC1354	C-13
IC1902	C-7
IC1903	C-4
IC1904	D-6
(IC1906)	F-12

( ): AUS, MY, SP, TH model

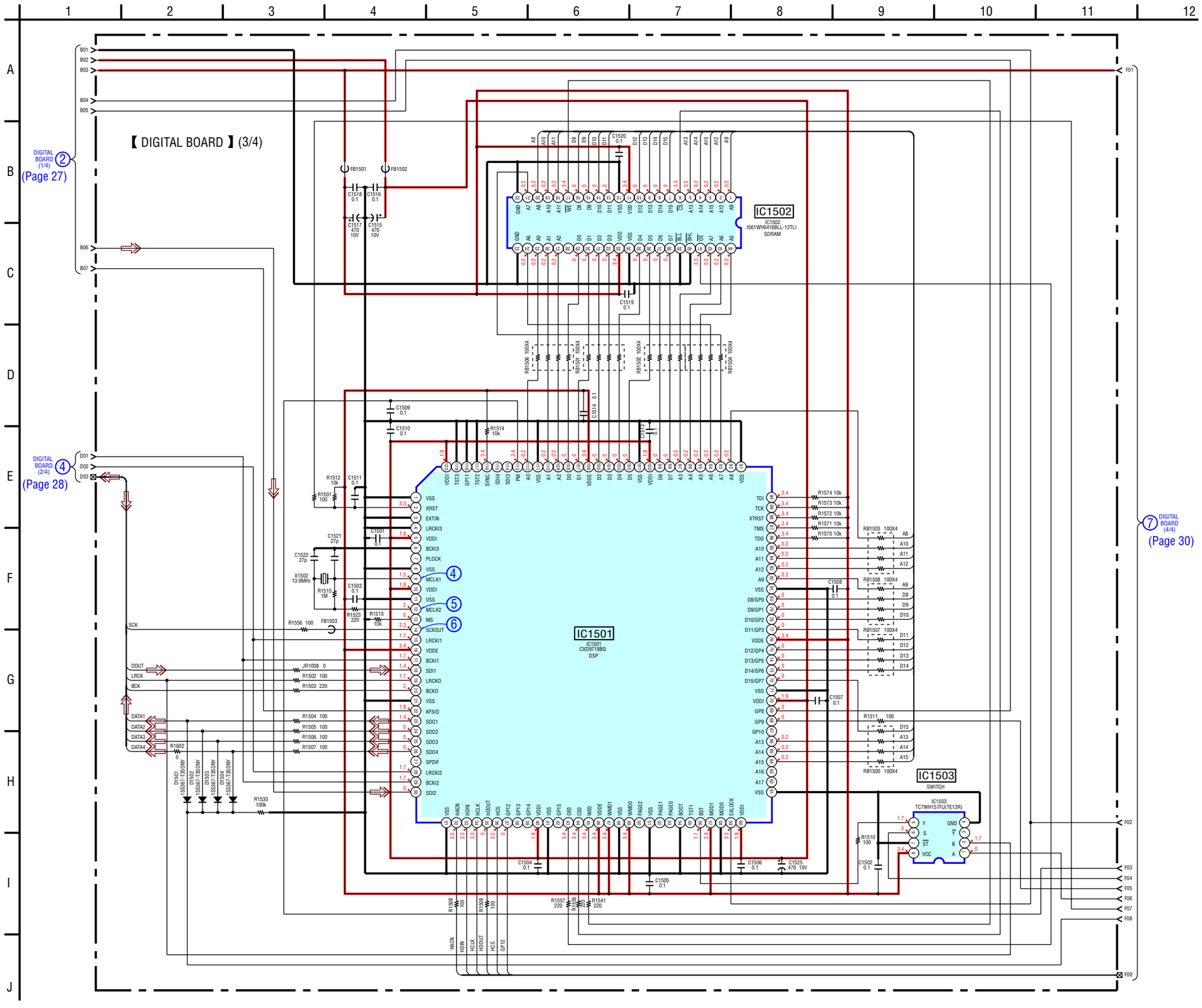
5-12. SCHEMATIC DIAGRAM — DIGITAL SECTION (1/4) — • Refer to page 21 for Waveforms and page 42 for IC Block Diagrams.



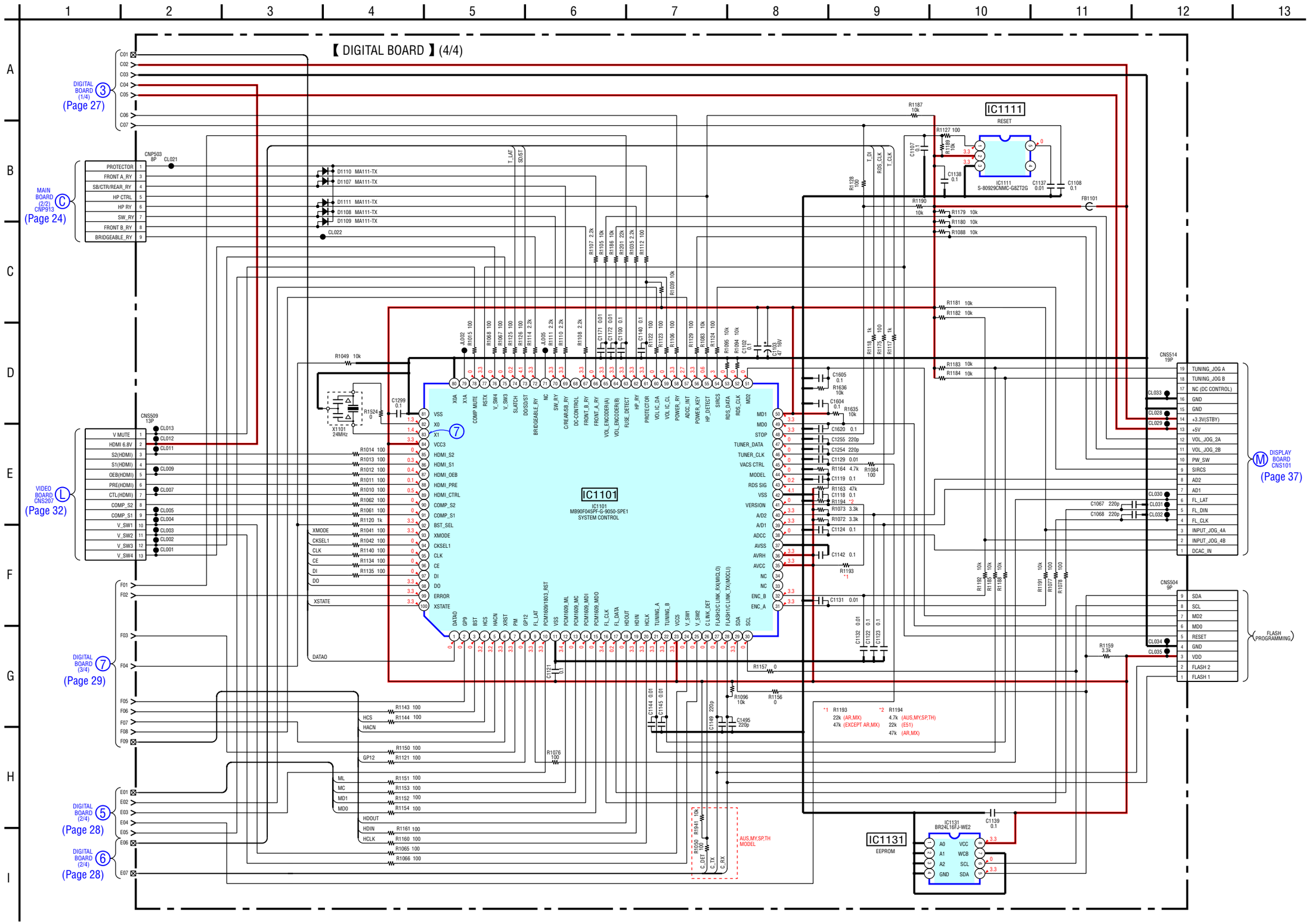
5-13. SCHEMATIC DIAGRAM — DIGITAL SECTION (2/4) — • Refer to page 42 for IC Block Diagrams.



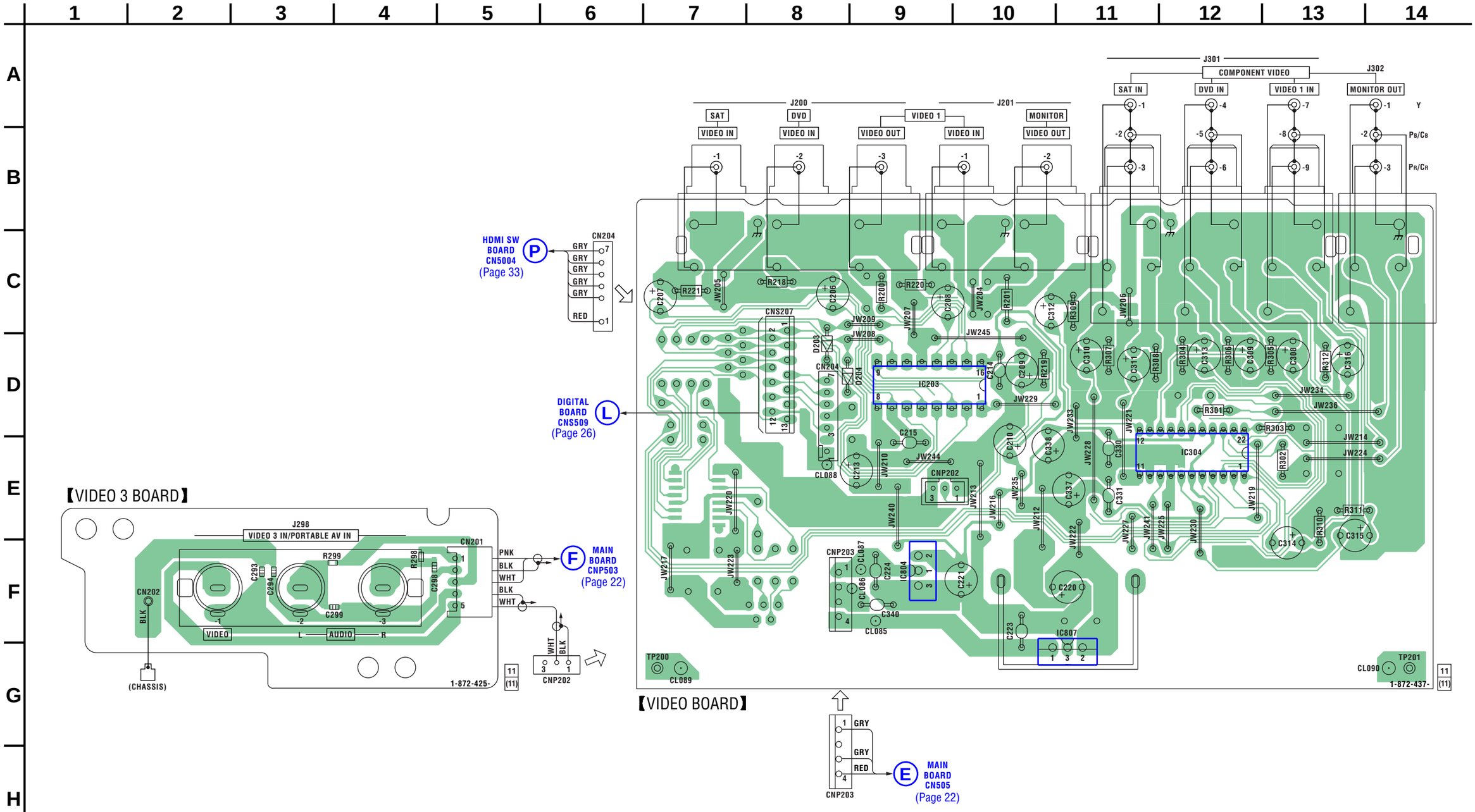
5-14. SCHEMATIC DIAGRAM — DIGITAL SECTION (3/4) — • Refer to page 21 for Waveforms and page 45 IC Pin Descriptions.



5-15. SCHEMATIC DIAGRAM — DIGITAL SECTION (4/4) — • Refer to page 21 for Waveforms and page 47 for IC Pin Descriptions.



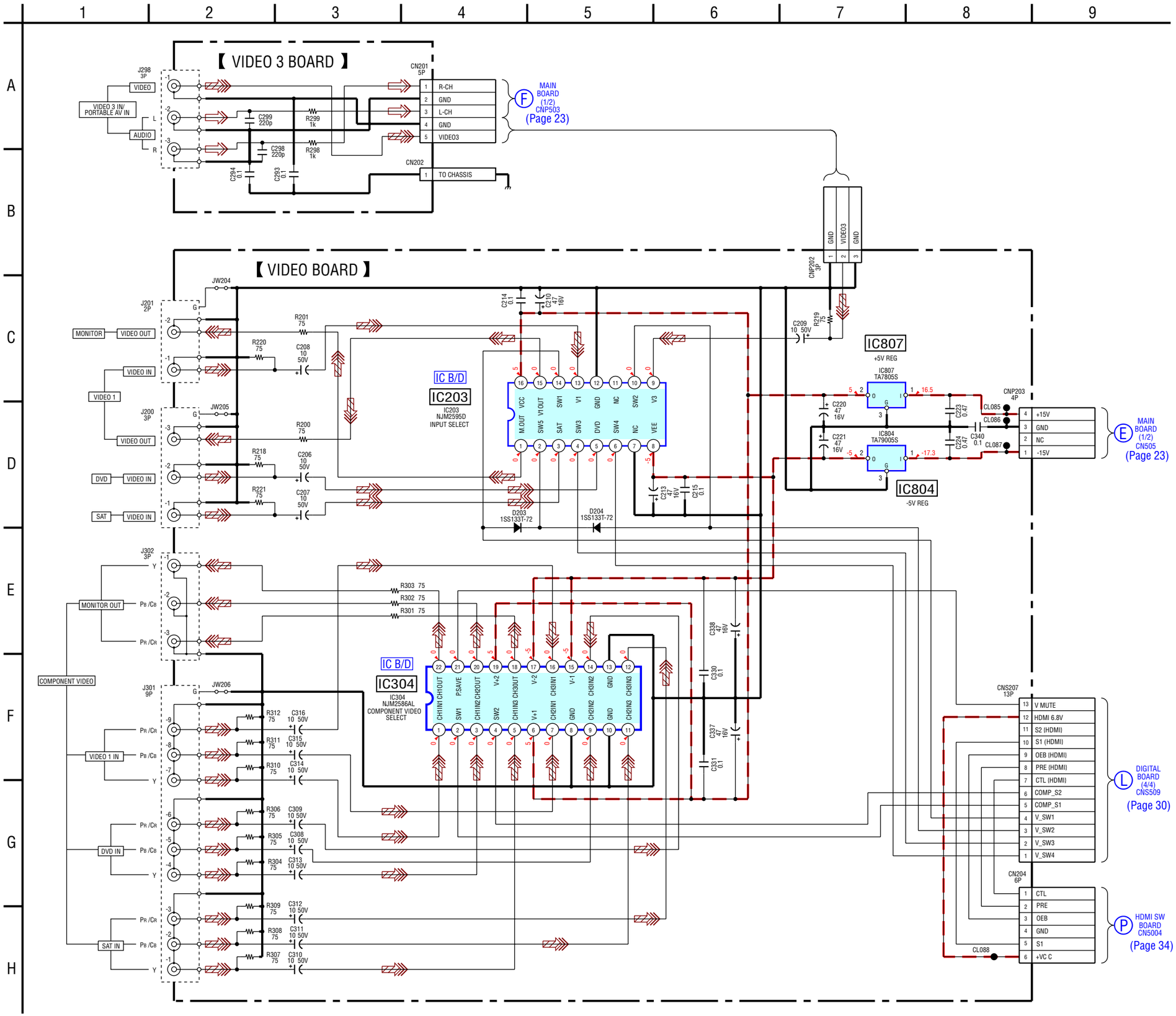
5-16. PRINTED WIRING BOARDS — VIDEO SECTION — • Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.



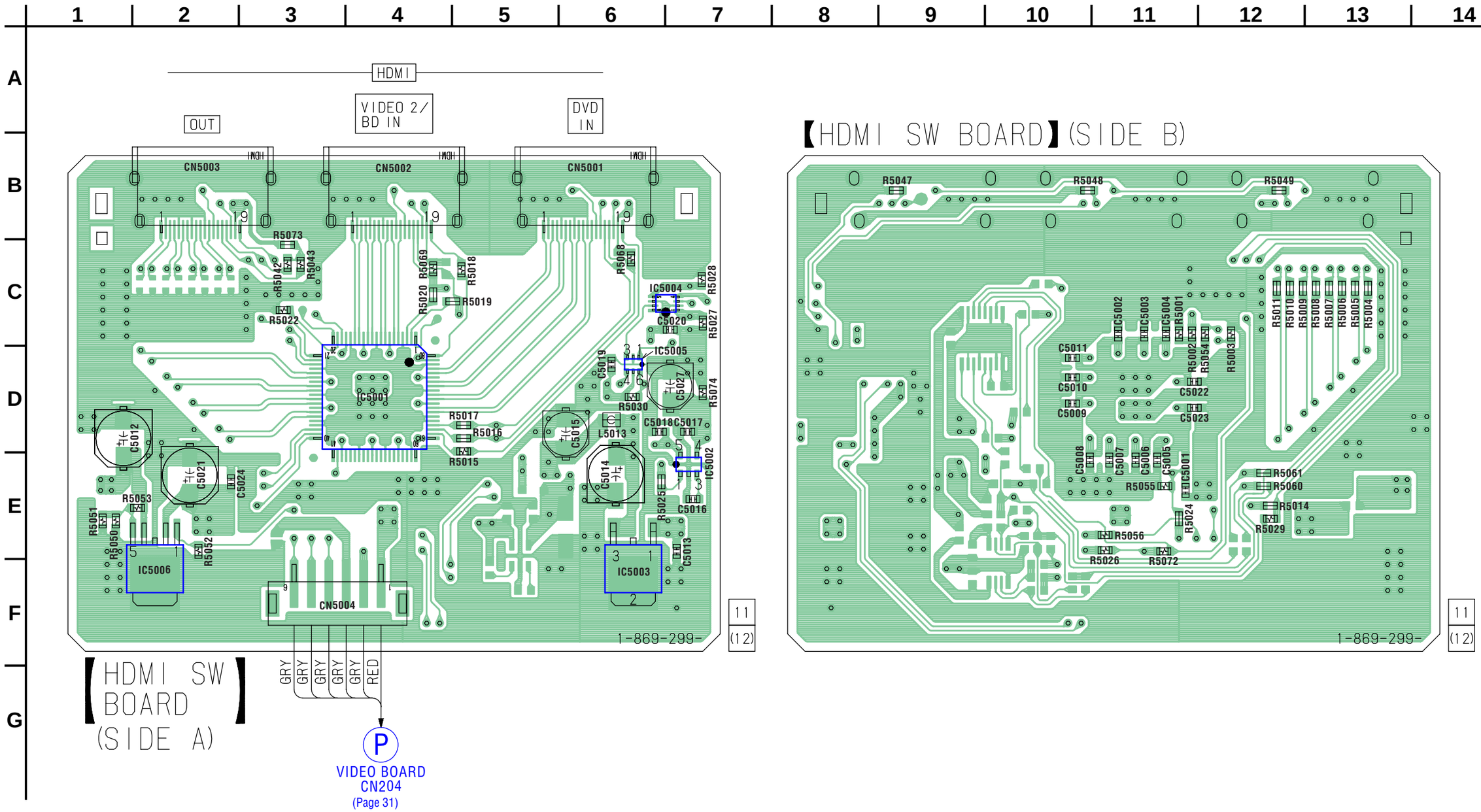
• **Semiconductor Location**

Ref. No.	Location
D203	D-8
D204	D-9
IC203	D-9
IC304	E-12
IC804	F-9
IC807	G-11

5-17. SCHEMATIC DIAGRAM — VIDEO SECTION — • Refer to page 43 for IC Block Diagrams.



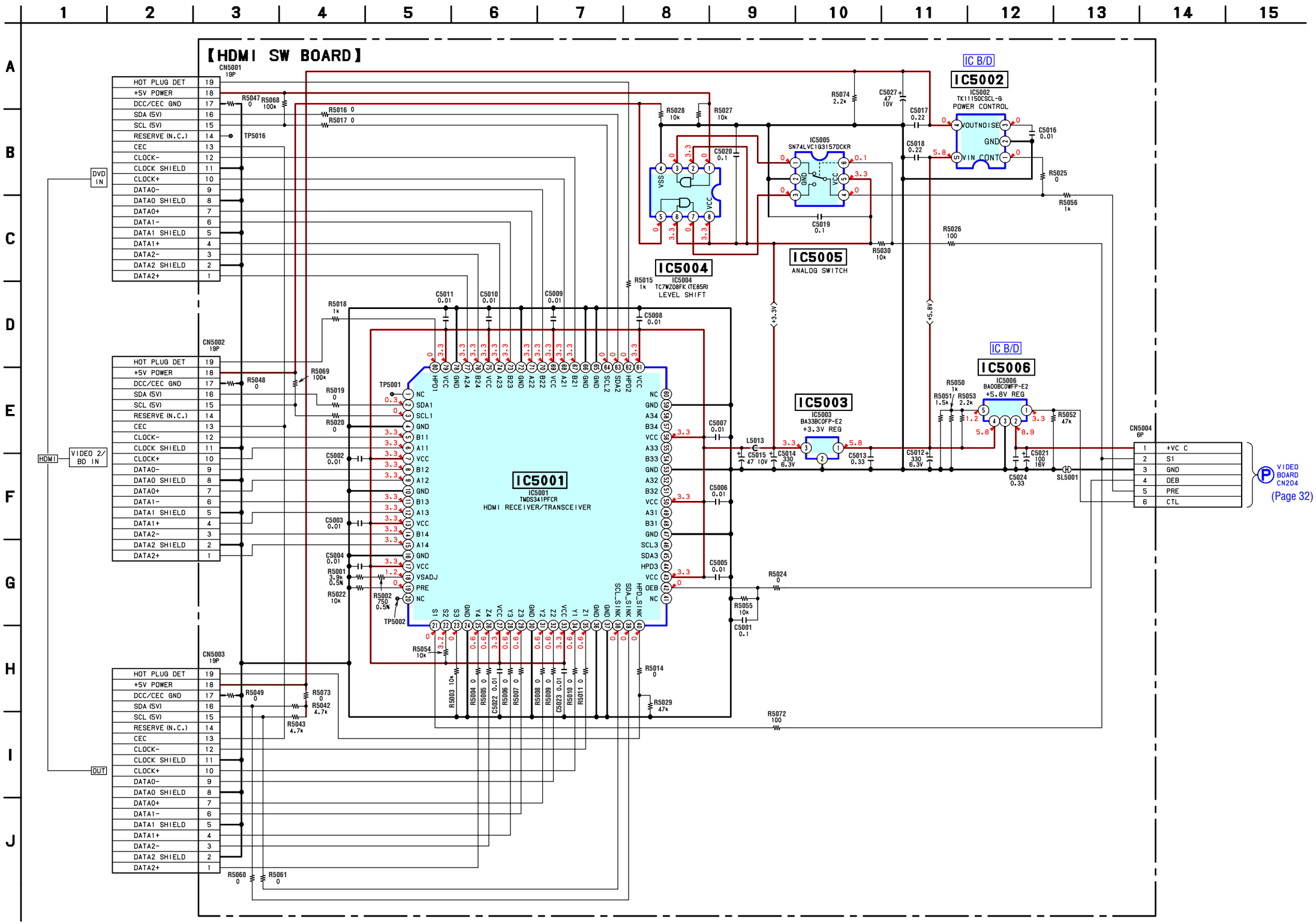
5-18. PRINTED WIRING BOARD — HDMI SW SECTION — • Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.



• **Semiconductor Location**

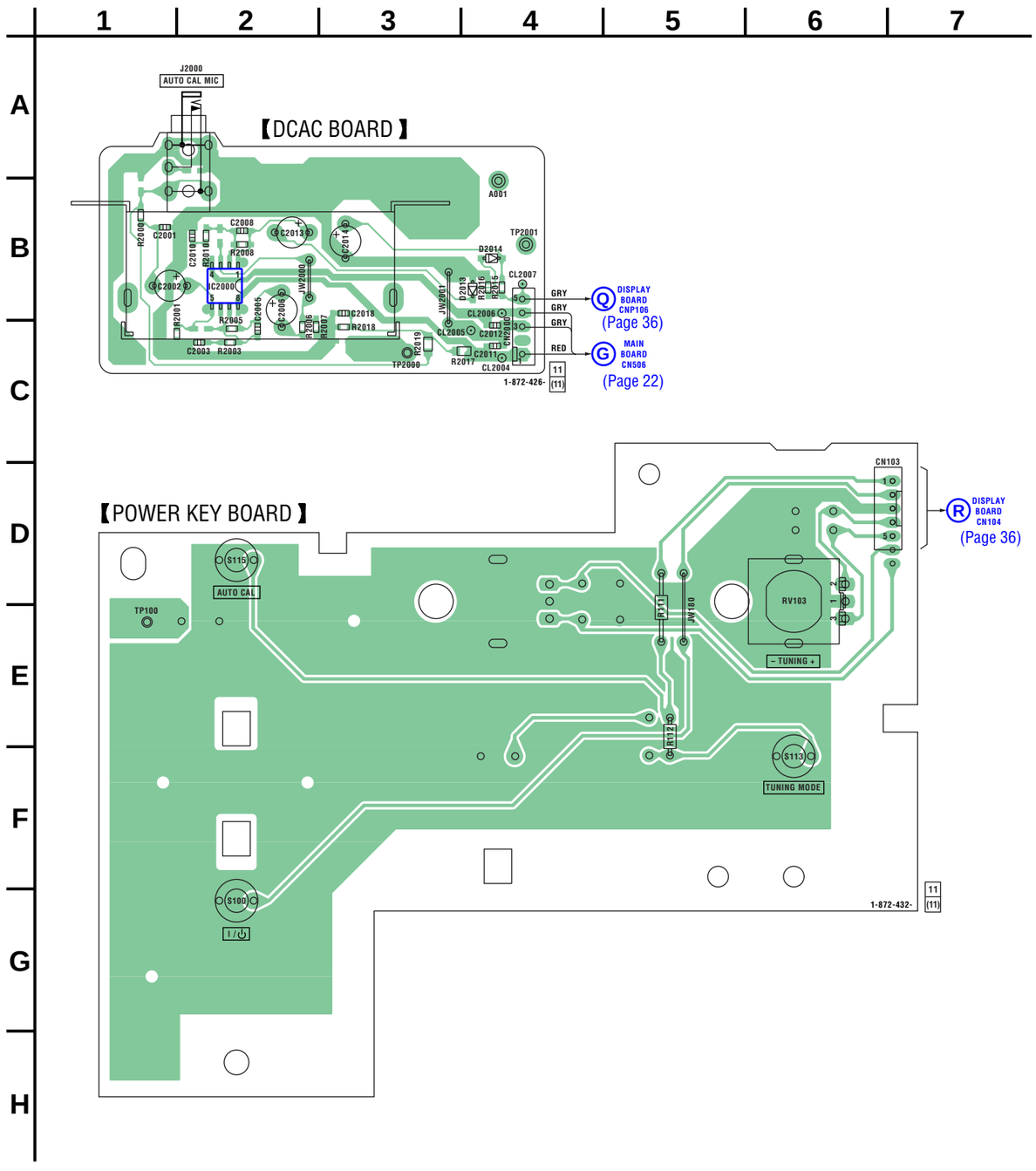
Ref. No.	Location
IC5001	D-4
IC5002	E-7
IC5003	F-6
IC5004	C-7
IC5005	D-6
IC5006	F-2

5-19. SCHEMATIC DIAGRAM — HDMI SW SECTION — • Refer to page 44 for IC Block Diagrams.

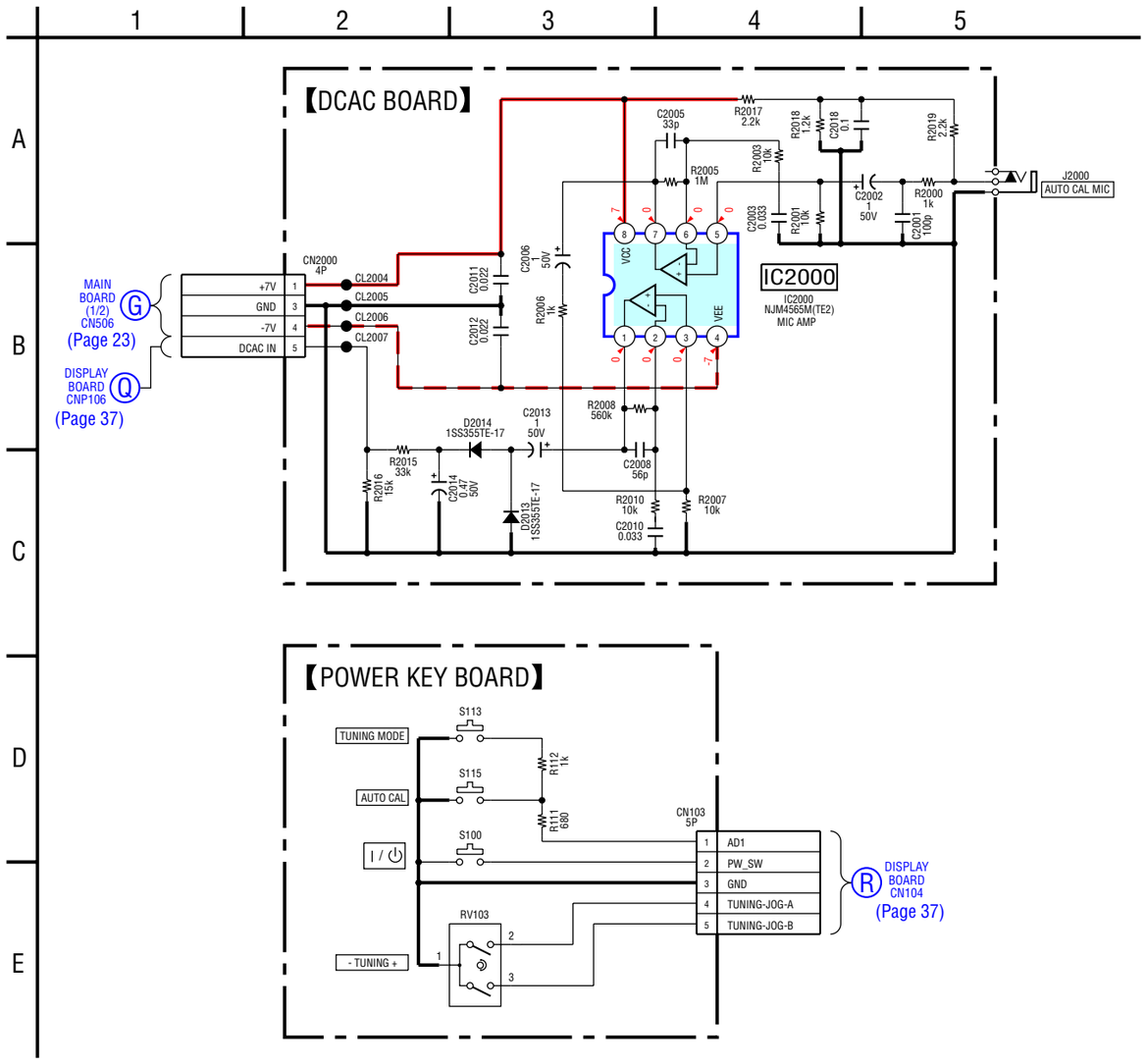


5-20. PRINTED WIRING BOARDS — DCAC, POWER KEY SECTION —

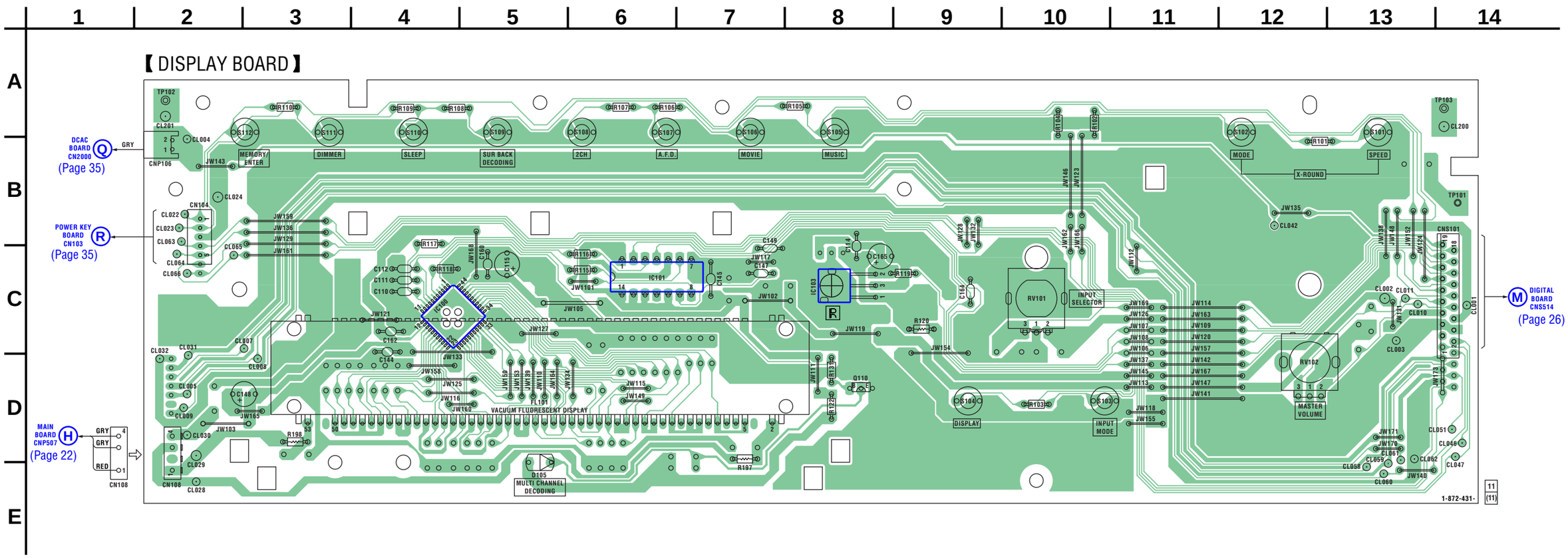
• Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.



5-21. SCHEMATIC DIAGRAM — DCAC, POWER KEY SECTION —



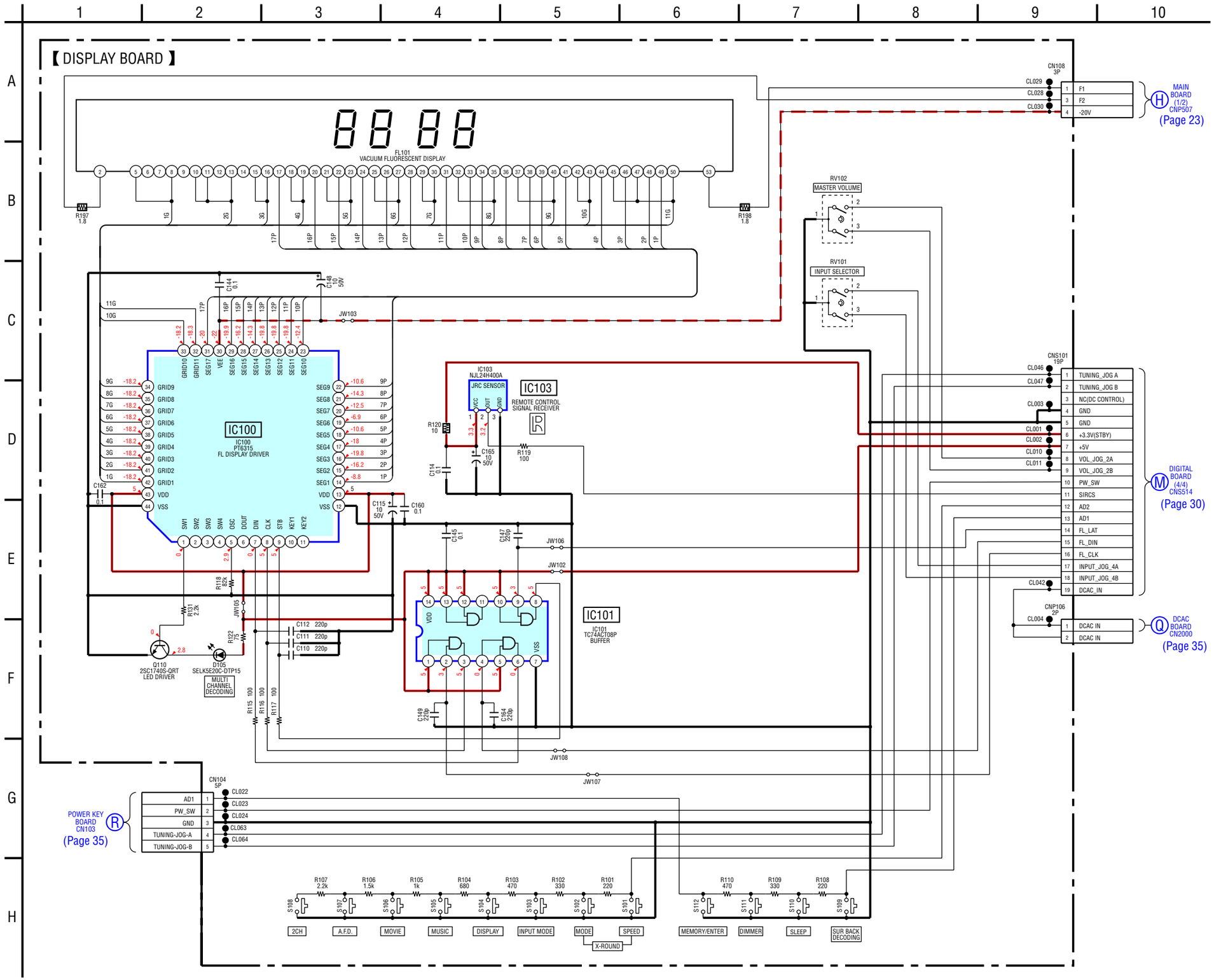
5-22. PRINTED WIRING BOARD — DISPLAY SECTION — • Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.



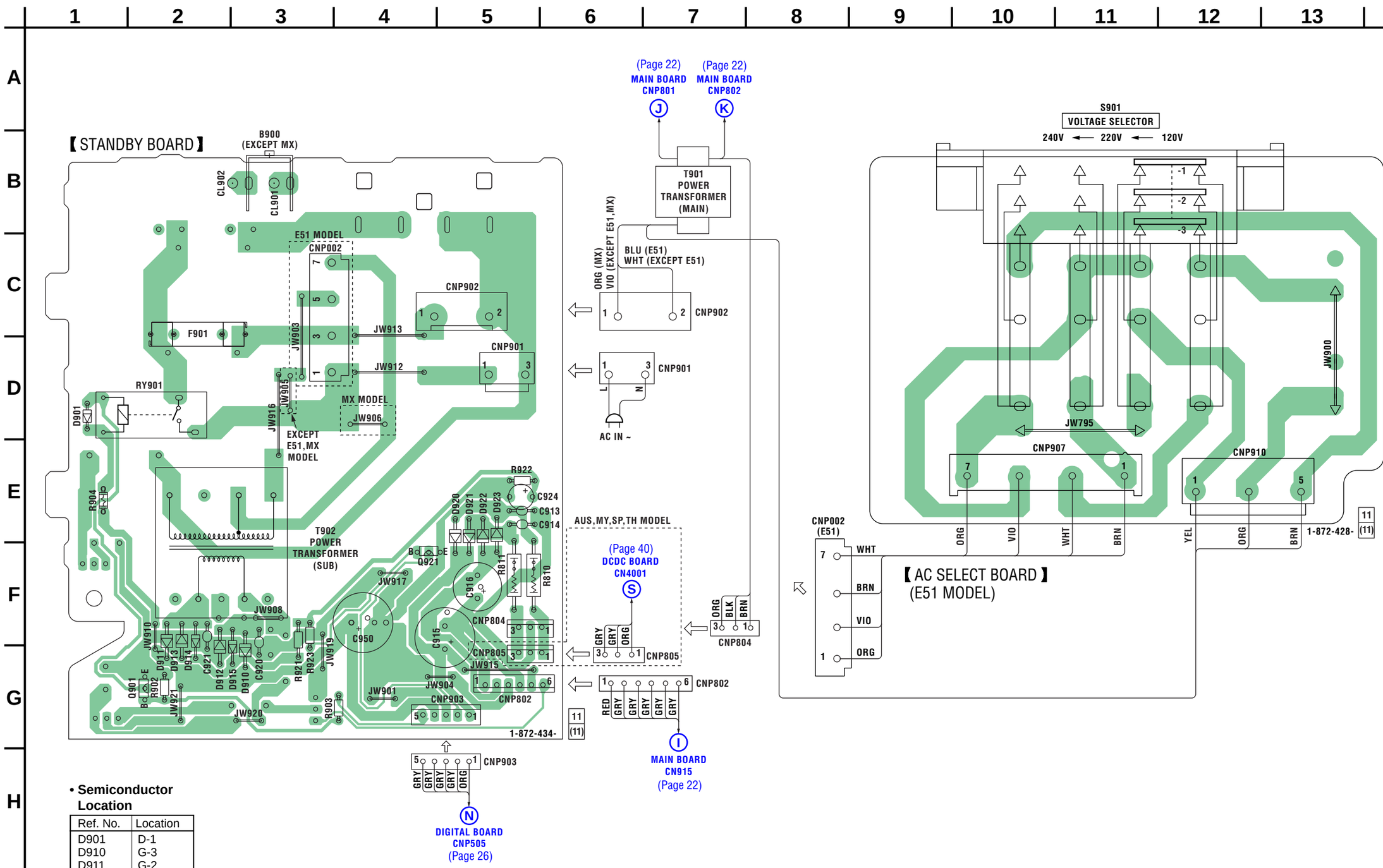
• **Semiconductor Location**

Ref. No.	Location
D105	E-5
IC100	C-4
IC101	C-6
IC103	C-8
Q110	D-8

5-23. SCHEMATIC DIAGRAM — DISPLAY SECTION —



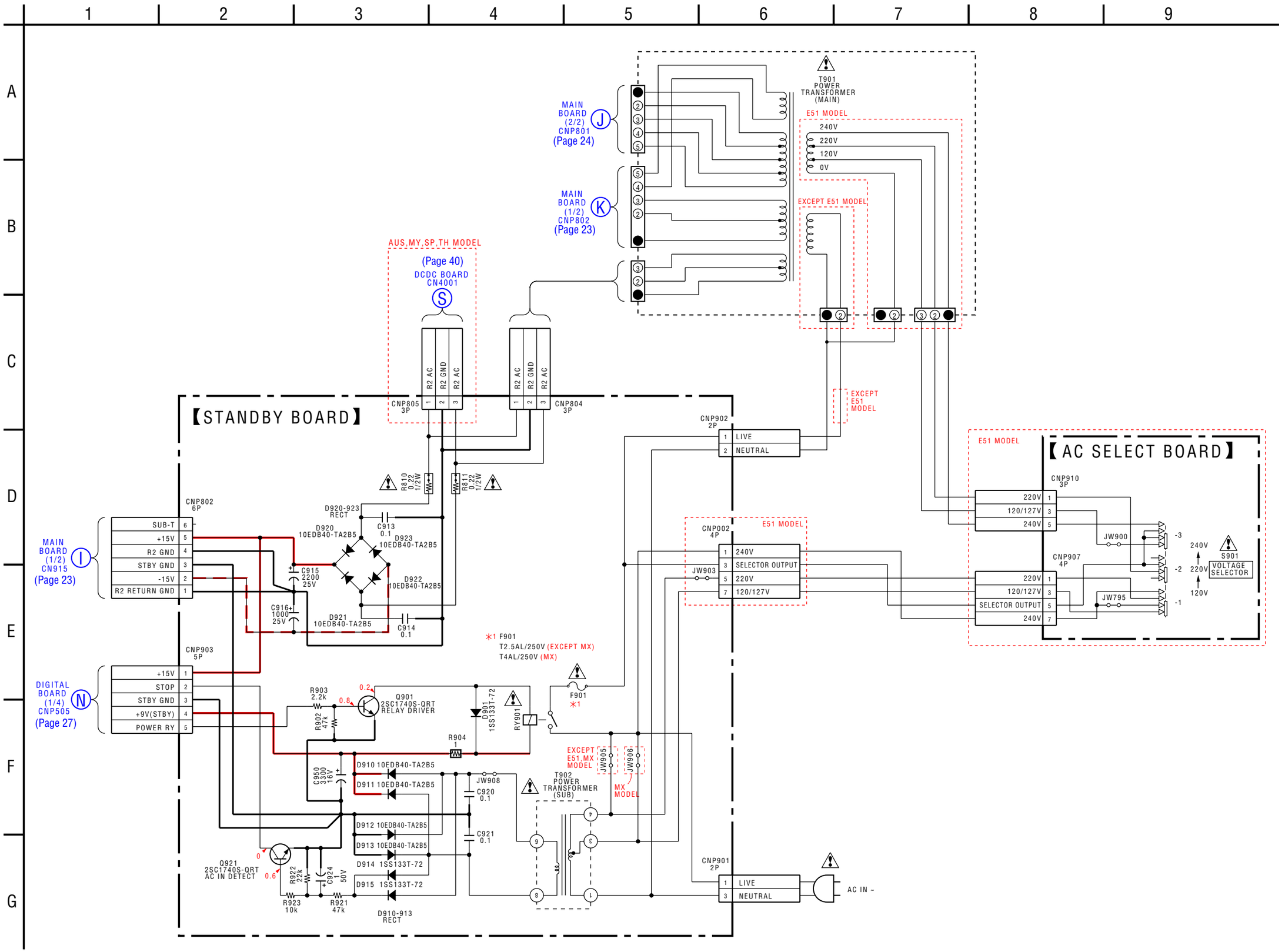
5-24. PRINTED WIRING BOARD — POWER SECTION — • Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.



- **Semiconductor Location**

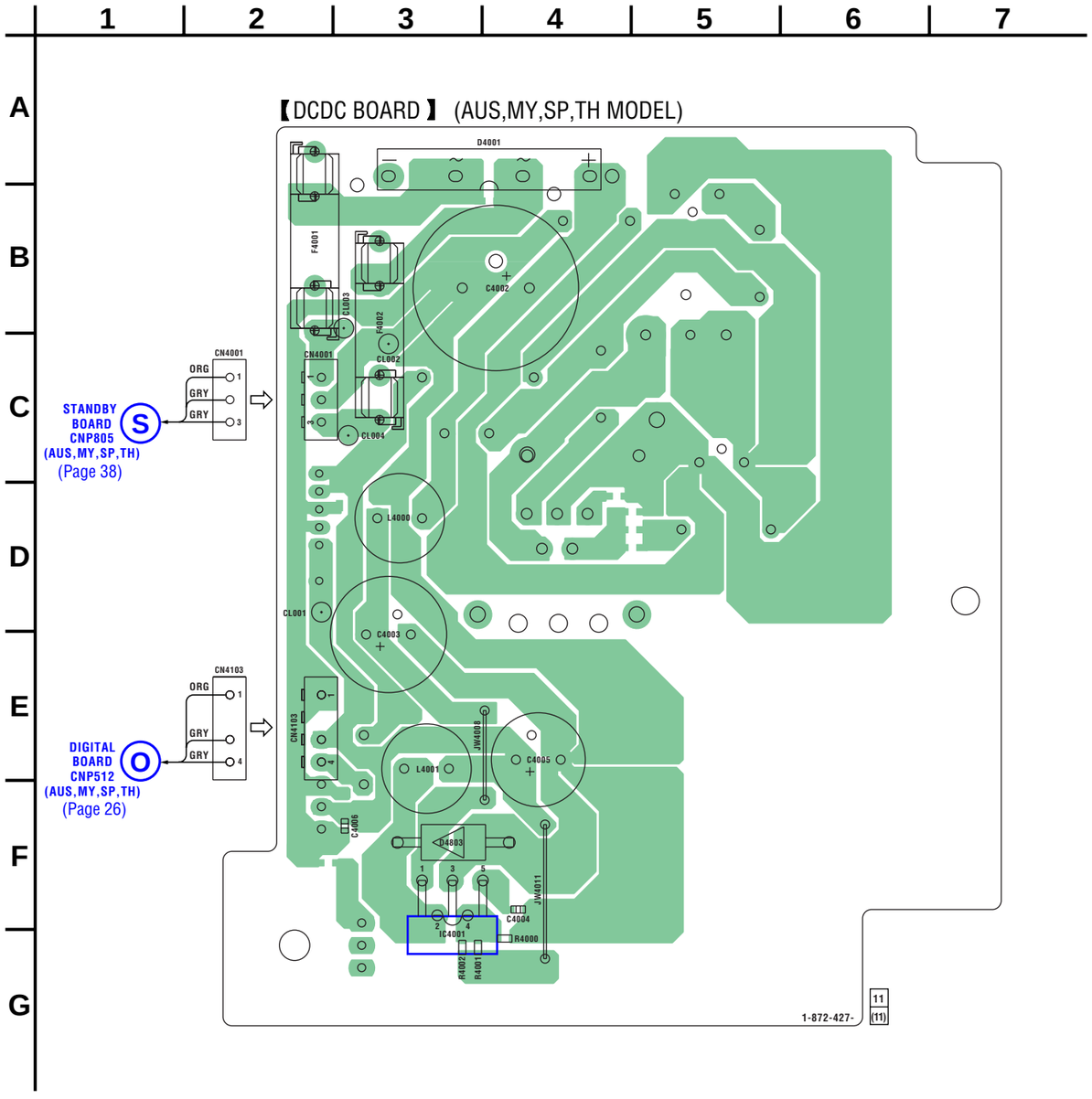
Ref. No.	Location
D901	D-1
D910	G-3
D911	G-2
D912	G-2
D913	G-2
D914	G-2
D915	G-3
D920	E-5
D921	E-5
D922	E-5
D923	E-5
Q901	G-2
Q921	F-4

5-25. SCHEMATIC DIAGRAM — POWER SECTION —

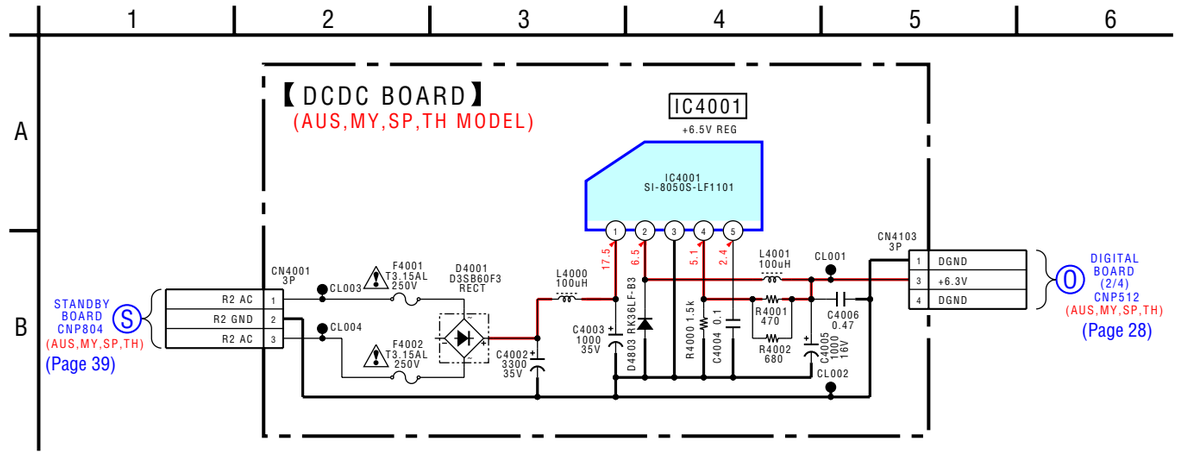


5-26. PRINTED WIRING BOARD — DCDC SECTION (AUS, MY, SP, TH MODEL) —

• Refer to page 14 for Circuit Boards Location. : Uses unleaded solder.

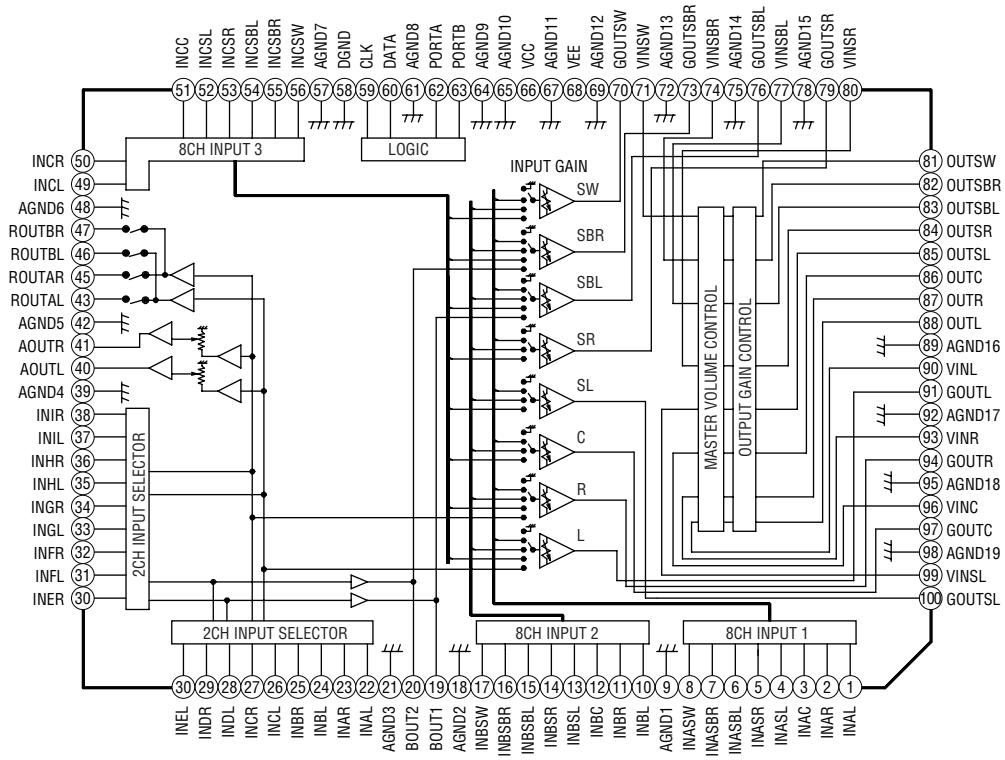


5-27. SCHEMATIC DIAGRAM — DCDC SECTION (AUS, MY, SP, TH MODEL) —

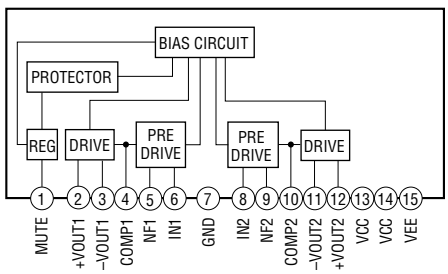


• IC Block Diagrams

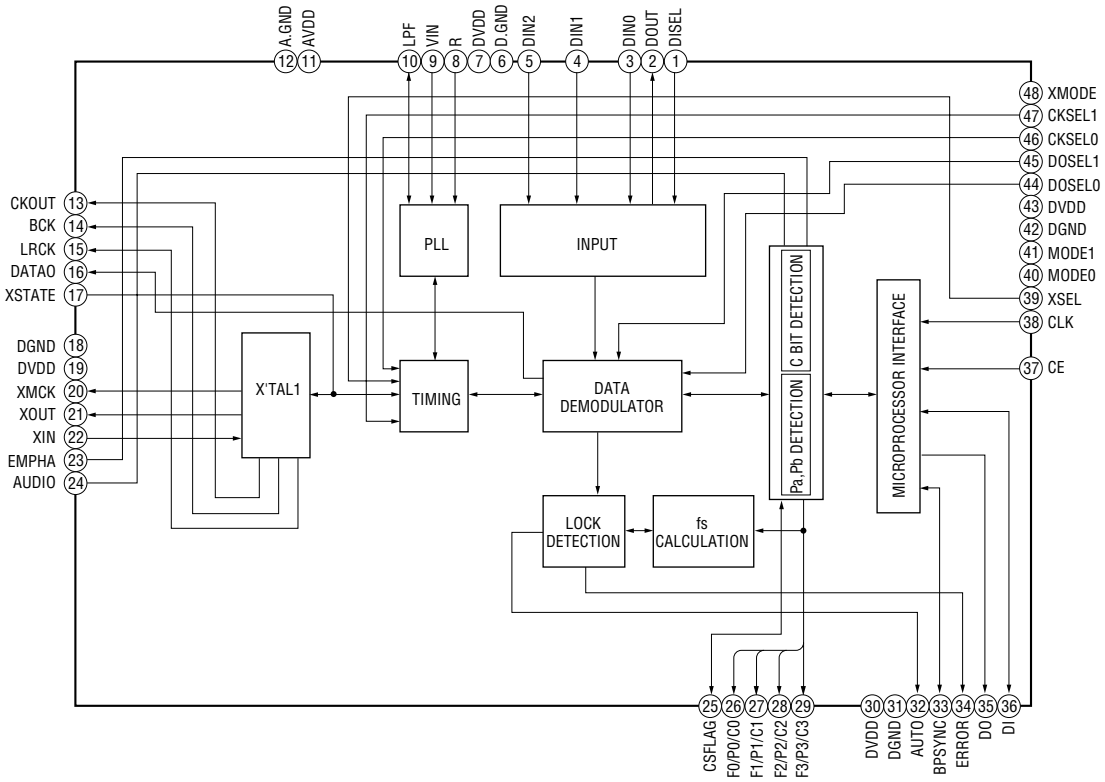
IC401 BD3451KS (MAIN BOARD (1/2))



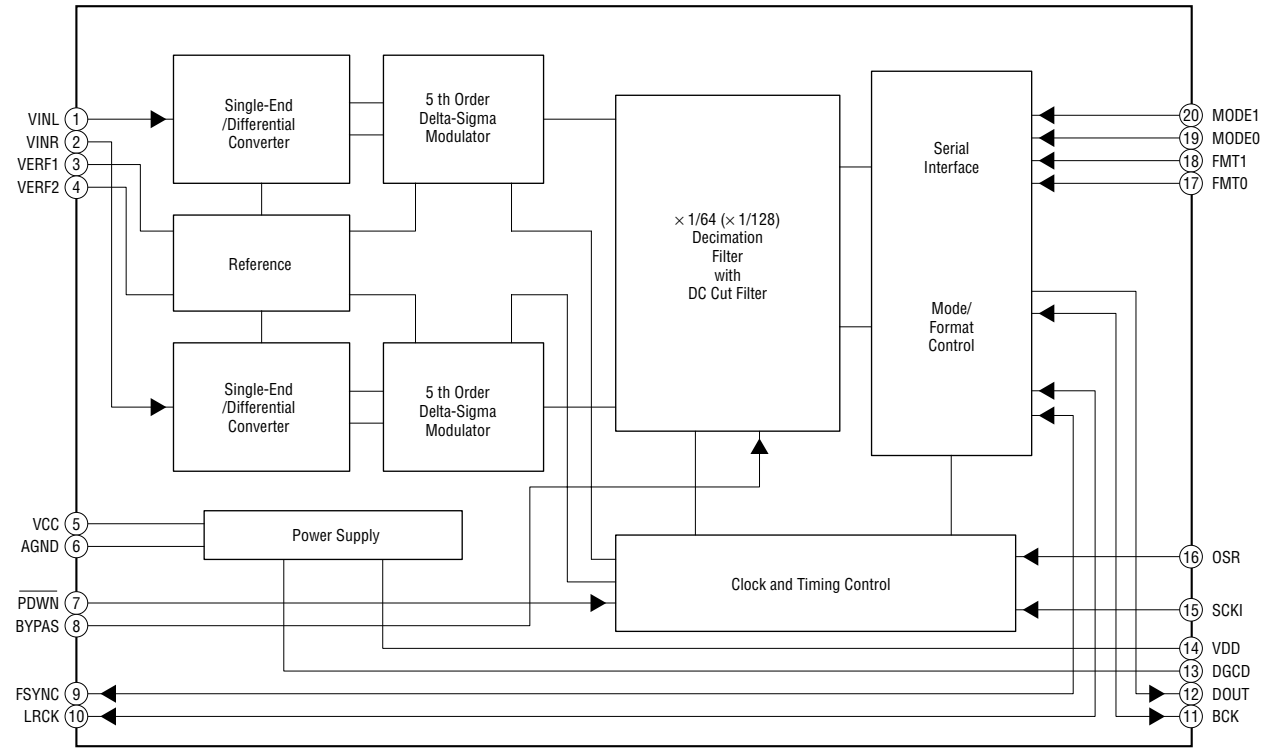
IC501 µPC2581V-S (MAIN BOARD (2/2))
IC601 µPC2581V-S (MAIN BOARD (2/2))
IC701 µPC2581V-S (MAIN BOARD (2/2))


BIAS CIRCUIT
PROTECTOR
REG
DRIVE
PRE DRIVE
PRE DRIVE
DRIVE
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
MUTE +VOUT1 –VOUT1 COMP1 NF1 IN1 GND IN2 NF2 COMP2 –VOUT2 +VOUT2 VCC VCC VEE

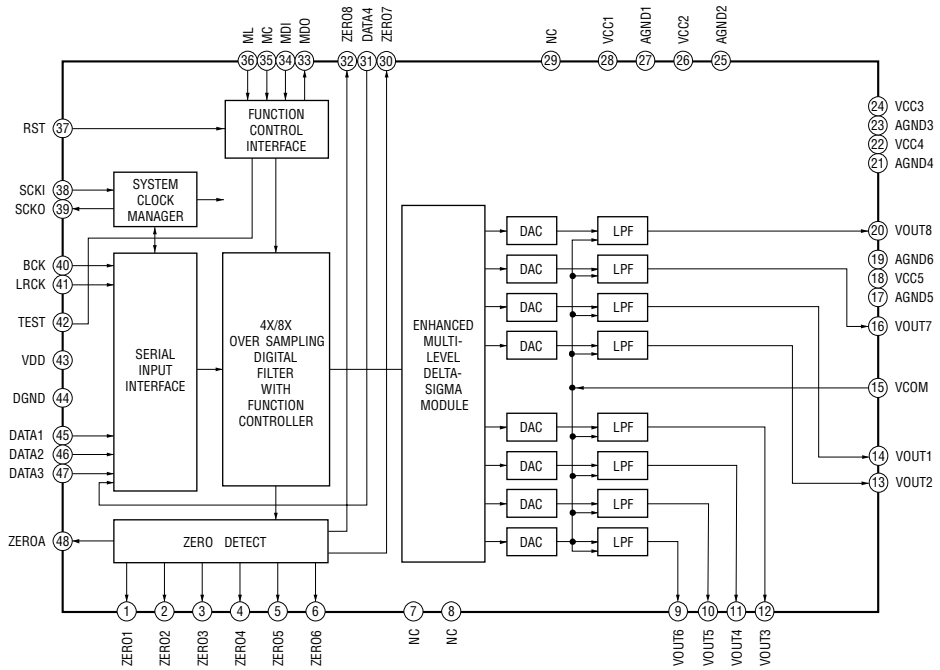
IC1301 LC89056W-E (DIGITAL BOARD (1/4))



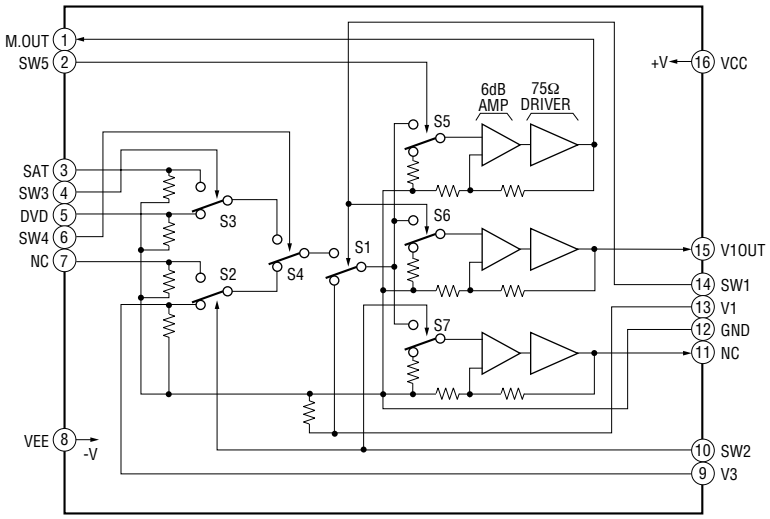
IC1401 PCM1803DBR (DIGITAL BOARD (2/4))



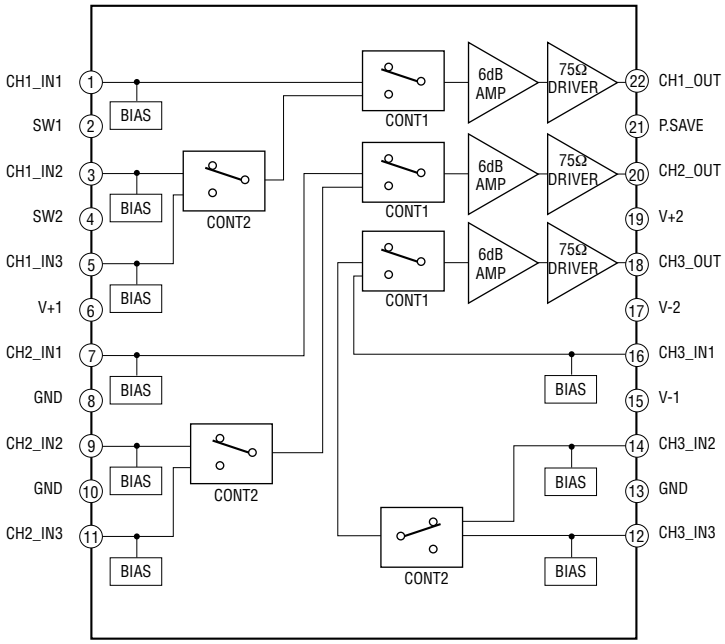
IC1452 PCM1609APT (DIGITAL BOARD (2/4))



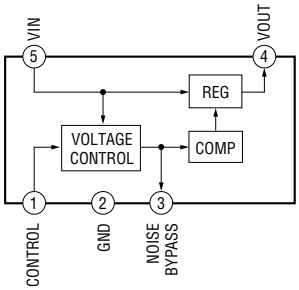
IC203 NJM2595D (VIDEO BOARD)



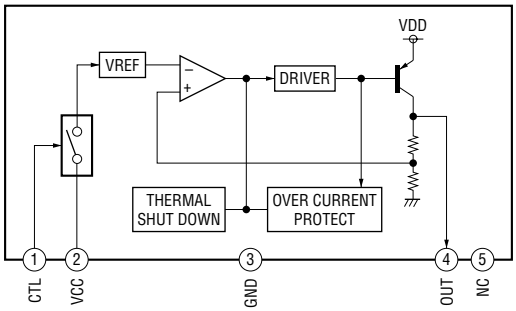
IC304 NJM2586AL (VIDEO BOARD)



IC5002 TK11150CSCL-G (HDMI SW BOARD)



IC5006 BA00BC0WFP-E2 (HDMI SW BOARD)



• IC Pin Descriptions

IC1501 CXD9718BQ (DSP) (DIGITAL BOARD (3/4))

Pin No.	Pin Name	I/O	Pin Description
1	VSS	—	Ground
2	XRST	I	Reset signal input from SYSTEM CONTROL IC
3	EXTIN	I	Not used (Connect to ground)
4	LRCKI3	I	Not used (Connect to ground)
5	VDDI	I	Power supply pin (+1.9 V)
6	BCKI3	I	Not used (Connect to ground)
7	PLOCK	O	Not used (Open)
8	VSS	—	Ground
9	MCLK1	I	Clock signal input (13.9 MHz)
10	VDDI	I	Power supply pin (+1.9 V)
11	VSS	—	Ground
12	MCLK2	O	Clock signal output (13.9 MHz)
13	MS	I	Not used (Fixed at L)
14	SCKOUT	O	Internal system clock signal output for 8CH DAC IC
15	LRCKI1	I	Sampling clock signal input from ADC IC
16	VDDE	I	Power supply pin (+3.4 V)
17	BCKI1	I	Bit clock signal input from ADC IC
18	SDI1	I	Audio IF data input from ADC IC
19	LRCKO	O	Sampling clock signal output for 8CH DAC IC
20	BCKO	O	Bit clock signal output for 8CH DAC IC
21	VSS	—	Ground
22	KFSIO	I/O	Audio clock signal (384fs/256fs) input/output for DIR IC
23 to 26	SDO1 to SDO4	O	Digital audio serial data output for 8CH DAC IC
27	SPDIF	O	Not used (Open)
28	LRCKI2	I	Sampling clock signal input from ADC IC
29	BCKI2	I	Bit clock signal input from ADC IC
30	SDI2	I	Digital audio serial data input from ADC IC
31	VSS	—	Ground
32	HACN	O	Acknowledge signal output for SYSTEM CONTROL IC
33	HDIN	I	Serial data input from SYSTEM CONTROL IC
34	HCLK	I	Clock signal input from SYSTEM CONTROL IC
35	HDOUT	O	Serial data output for SYSTEM CONTROL IC
36	HCS	I	Chip select signal input from SYSTEM CONTROL IC
37	GP12	I	GP12 signal input from SYSTEM CONTROL IC
38, 39	GP13, GP14	O	Not used (Open)
40	VDDI	I	Power supply pin (+1.9 V)
41	VSS	—	Ground
42	GP15	O	Not used (Open)
43	OE0	O	Not used (Open)
44	CS0	O	External memory chip select signal output for D/A converter IC (SDRAM)
45	WE0	O	SDRAM write enable signal output for D/A converter IC (SDRAM)
46	VDDE	I	Power supply pin (+3.4 V)
47	WMD1	I	Not used (Fixed at H)
48	VSS	—	Ground
49	WMD0	I	Not used (Fixed at H)
50	PAGE2	O	Not used (Open)
51	VSS	—	Ground
52, 53	PAGE1, PAGE0	O	Not used (Open)
54	BOOT	I	Not used (Connect to ground)
55	TST1	O	Not used (Open)
56	BST	I	Boot stop signal input from SYSTEM CONTROL IC

Pin No.	Pin Name	I/O	Pin Description
57	MOD1	I	Operation mode signal input (L: 386fs, H: 256fs) (Fixed at H)
58	MOD0	I	Operation mode signal input (L: single chip mode, H: use prohibited) (Fixed at L)
59	EXLOCK	I	Error detection signal input from DIR IC
60	VDDI	I	Power supply pin (+1.9 V)
61	VSS	—	Ground
62, 63	A17, A16	O	Not used (Open)
64 to 66	A15 to A13	O	External memory address signal output for D/A converter IC (SDRAM)
67	GP10	O	Not used (Open)
68	GP9	O	GP9 signal output for SYSTEM CONTROL IC
69	GP8	I	Audio signal input from DIR IC
70	VDDI	I	Power supply pin (+1.9 V)
71	VSS	—	Ground
72 to 75	D15/GP7 to D12/GP4	I/O	External memory data input/output for D/A converter IC (general port)
76	VDDE	I	Power supply pin (+3.4 V)
77 to 80	D11/GP3 to D8/GP0	I/O	External memory data input/output for D/A converter IC (general port)
81	VSS	—	Ground
82	A9	O	External memory address signal output for D/A converter IC (SDRAM)
83 to 85	A12 to A10	O	External memory address signal output for D/A converter IC (SDRAM)
86	TDO	O	Not used (Fixed at H)
87	TMS	I	Not used (Fixed at H)
88	XTRST	I	Not used (Fixed at H)
89	TCK	I	Not used (Fixed at H)
90	TDI	I	Not used (Fixed at H)
91	VSS	—	Ground
92 to 97	A8 to A3	O	External memory address signal output for D/A converter IC (SDRAM)
98, 99	D7, D6	I/O	External memory data input/output for D/A converter IC (SDRAM)
100	VDDI	I	Power supply pin (+1.9 V)
101	VSS	—	Ground
102 to 105	D5 to D2	I/O	External memory data input/output for D/A converter IC (SDRAM)
106	VDDE	I	Power supply pin (+3.4 V)
107, 108	D1, D0	I/O	External memory data input/output for D/A converter IC (SDRAM)
109, 110	A2, A1	O	External memory address signal output for D/A converter IC (SDRAM)
111	VSS	—	Ground
112	A0	O	External memory address signal output for D/A converter IC (SDRAM)
113	PM	I	PLL initialization signal input from SYSTEM CONTROL IC
114, 115	SDI3, SDI4	I	Not used (Open)
116	SYNC	I	Sync/async select signal input (L: sync, H: async) (Fixed at H)
117	TST2	I	Not used (Connect to ground)
118	GP11	I	Not used (Connect to ground)
119	TST3	I	Not used (Connect to ground)
120	VDDI	I	Power supply pin (+1.9 V)

IC1101 MB90F045PF-G-9050-SPE1 (SYSTEM CONTROL) (DIGITAL BOARD (4/4))

Pin No.	Pin Name	I/O	Pin Description
1	DATAO	I	Serial data line signal input from DIR IC
2	GP9	I	GP9 signal input from DSP IC
3	BST	O	Boot stop control signal output for DSP IC
4	HCS	O	Chip select signal output for DSP IC
5	HACN	I	Acknowledge signal input from DSP IC
6	XRST	O	Reset signal output for DSP IC
7	PM	O	PLL control signal output for DSP IC
8	GP12	O	GP12 signal output for DSP IC
9	FL_LAT	O	Latch signal output for FL driver IC
10	PCM1609/1803_RST	O	Reset signal output for 8CH DAC IC/ADC IC
11	VSS	—	Ground
12	PCM1609_ML	O	Serial latch signal output for 8CH DAC IC
13	PCM1609_MC	O	Serial clock signal output for 8CH DAC IC
14	PCM1609_MDI	O	Serial data output for 8CH DAC IC
15	PCM1609_MDO	I	Serial data input from 8CH DAC IC
16	FL_CLK	O	Clock signal output for FL driver IC
17	FL_DATA	O	Serial data output for FL driver IC
18	HDOUT	I	Serial data input from DSP IC
19	HDIN	O	Serial data output for DSP IC
20	HCLK	O	Serial data clock signal output for DSP IC
21	TUNING_A	I	TUNING +/– encoder (A) signal input
22	TUNING_B	I	TUNING +/– encoder (B) signal input
23	VCC5	—	Power supply pin (+3.3 V)
24	V_SW1	O	Video SW1 signal output for INPUT SELECT IC
25	V_SW2	O	Video SW2 signal output for INPUT SELECT IC
26	C LINK_DET	I	C Link detect signal input (Australian, Malaysia, Singapore, Thai model)
27	FLASH2/ C LINK_RX(MICLO)	O	Flash programming signal output 2/C Link receive signal output (Australian, Malaysia, Singapore, Thai model)
28	FLASH1/ C LINK_TX(MOCLI)	O	Flash programming signal output 1/C Link transmitter signal output (Australian, Malaysia, Singapore, Thai model)
29	SDA	I/O	Serial data input/output for EEPROM IC
30	SCL	O	Clock signal output for EEPROM IC
31	ENC_A	I	INPUT SELECTOR encoder (A) signal input
32	ENC_B	I	INPUT SELECTOR encoder (B) signal input
33, 34	NC	O	Not used (Open)
35	AVCC	—	Power supply pin (+3.3 V)
36	AVRH	—	Power supply pin (+3.3 V)
37	AVSS	—	Ground
38	ADCC	I	AUTO CAL MIC analog signal input
39, 40	A/D1, A/D2	I	Key signal input (A/D port)
41	VERSION	I	Destination detection signal input
42	VSS	—	Ground
43	RDS_SIG	I	RDS signal level input (Not used in this set)
44	MODEL	I	Model detection signal input
45	VACS CTRL	I	VACS control signal input
46	TUNER_CLK	O	Serial clock signal output for tuner pack
47	TUNER_DATA	O	Serial data output for tuner pack
48	STOP	I	AC off detection signal input
49	MOD0	—	Selection of micon operation mode
50	MOD1	—	Not used (Connect to AVCC)
51	MOD2	—	Selection of micon operation mode
52	RDS_CLK	I	RDS data clock signal input (Not used in this set)

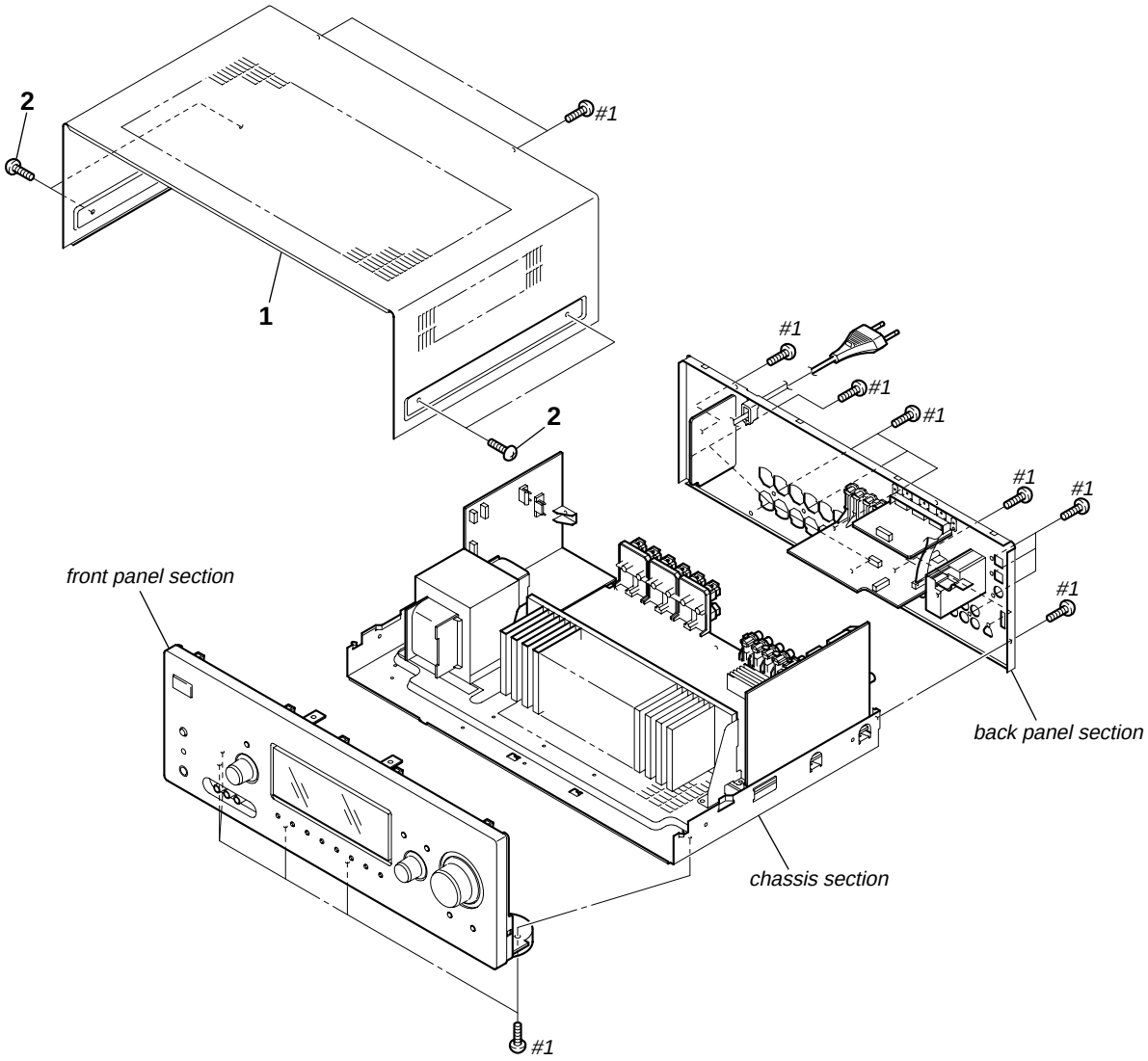
Pin No.	Pin Name	I/O	Pin Description
53	RDS_DATA	I	RDS data input (Not used in this set)
54	SIRCS	I	SIRCS signal input
55	HP_DETECT	I	Headphones detection signal input
56	POWER_KEY	I	Power key detection signal input
57	ADCC_INT	I	ADCC data input from DSP IC
58	POWER_RY	O	Power relay driver control signal output
59	VOL IC_CL	O	Clock signal output for DIR IC
60	VOL IC_DA	O	Serial data and latch output for DIR IC
61	PROTECTOR	I	Protector detection signal input
62	HP_RY	O	Headphone relay driver control signal output
63	FUSE_DETECT	I	Fuse open detection signal input
64	VOL_ENCODER(B)	I	MASTER VOLUME encoder (B) signal input
65	VOL_ENCODER(A)	I	MASTER VOLUME encoder (A) signal input
66	FRONT_A_RY	O	Front speaker relay driver control signal output
67	FRONT_B_RY	O	Front B speaker relay driver control signal output (Not used in this set)
68	DC-CONTROL	O	DCAC DC-BIAS switch control signal output (Not used in this set)
69	C/REAR/SB_RY	O	Center/surround/surround back speaker relay driver control signal output
70	SW_RY	O	Sub woofer relay driver control signal output
71	NC	O	Not used (Open)
72	BRIDGEABLE_RY	O	Bridgeable relay driver control signal output
73	DO/SD/ST	I	Tuner serial data input
74	SLATCH	O	Tuner latch signal output
75	V_SW3	O	Video SW3 signal output for INPUT SELECT IC
76	V_SW4	O	Video SW4 signal output for INPUT SELECT IC
77	RSTX	I	Reset signal input
78	COMP MUTE	O	COMPONENT VIDEO mute signal output
79	X1A	—	Not used (Open)
80	X0A	—	Not used (Connect to VSS)
81	VSS	—	Ground
82	X0	—	Clock signal input (24 MHz)
83	X1	—	Clock signal output (24 MHz)
84	VCC3	—	Power supply pin (+3.3 V)
85	HDMI_S2	O	HDMI S2 signal output (Not used in this set)
86	HDMI_S1	O	HDMI S1 signal output
87	HDMI_OEB	O	HDMI OEB signal output
88	HDMI_PRE	O	HDMI PRE signal output
89	HDMI_CTRL	O	HDMI control signal output
90	COMP_S2	O	COMPONENT VIDEO assign SW2 signal output
91	COMP_S1	O	COMPONENT VIDEO assign SW1 signal output
92	BST_SEL	O	96/24 signal output for DSP IC
93	XMODE	O	Xmode signal output for DIR IC
94	CKSEL1	O	Clock select signal output for DIR IC
95	CLK	O	Data clock signal output for DIR IC
96	CE	O	Latch signal output for DIR IC
97	DI	O	Data output for DIR IC
98	DO	I	Data input from DIR IC
99	ERROR	I	Error detection signal input from DIR IC
100	XSTATE	I	Xstate signal input from DIR IC

SECTION 6
EXPLODED VIEWS

NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Abbreviation
  MX : Mexican model
  E51 : Chilean and Peruvian models
  AUS : Australian model
  MY : Malaysia model
  SP : Singapore model
  TH : Thai model
  AR : Argentina model
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE) ... (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Accessories are given in the last of this parts list.

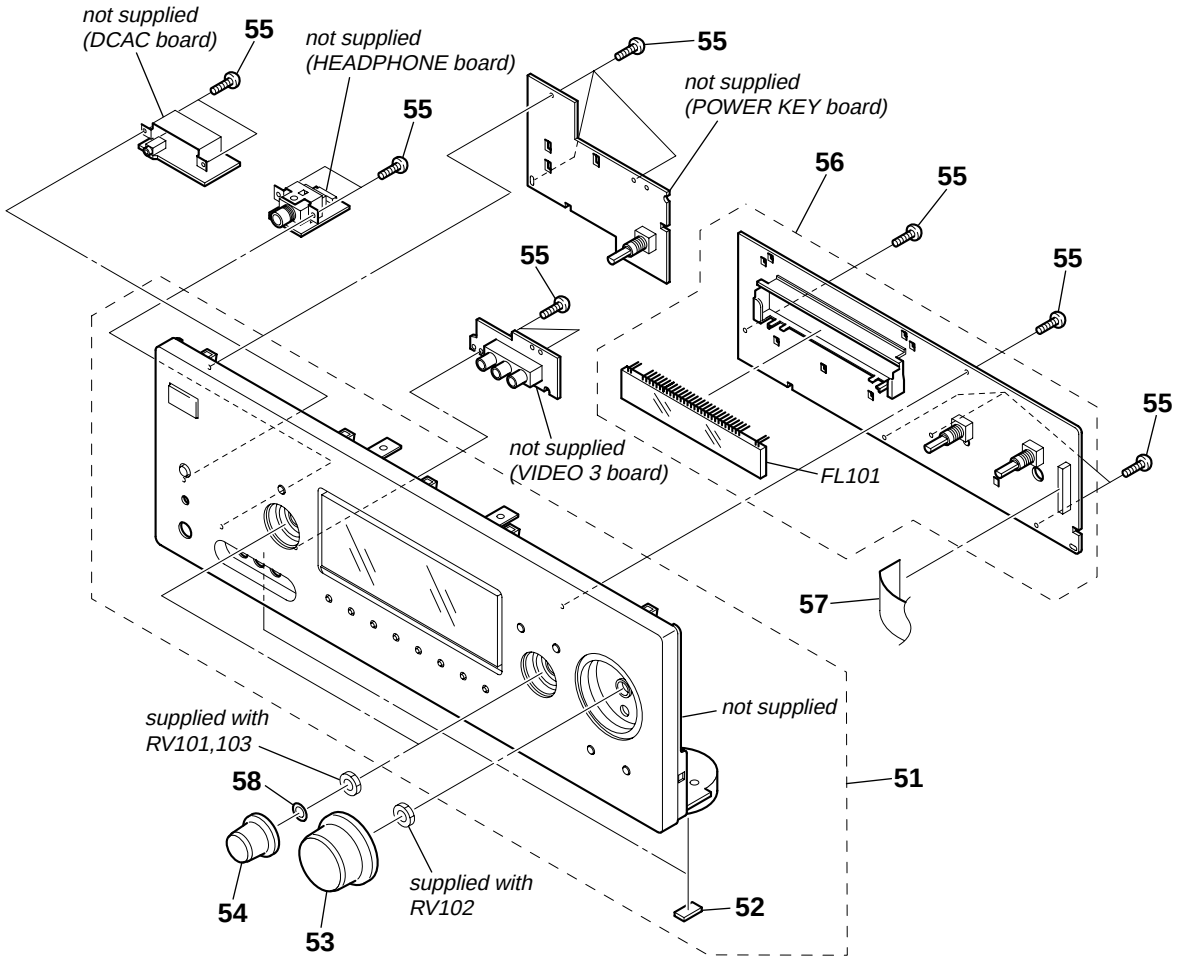
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

6-1. CASE SECTION



Ref. No.	Part No.	Description	Remark
1	2-661-145-11	CASE (BLACK)...(BLACK) (MX)	
1	2-661-145-31	CASE (SILVER)...(SILVER) (EXCEPT MX)	
2	3-363-099-02	SCREW (CASE 3 TP2) (BLACK)...(BLACK) (MX)	
2	3-363-099-11	SCREW (CASE 3 TP2) (SILVER)...(SILVER) (EXCEPT MX)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

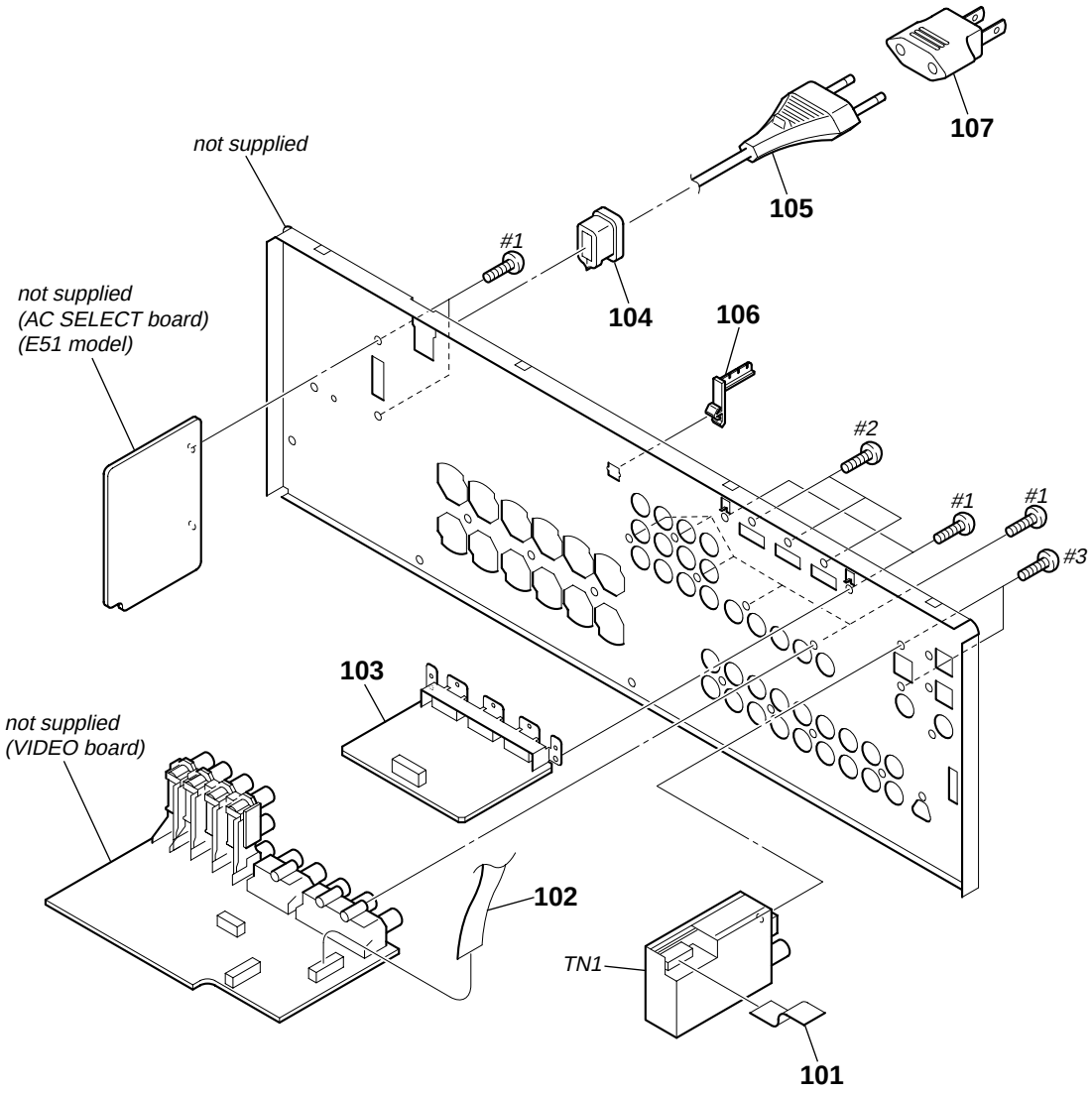
6-2. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
51	X-2176-079-1	FRONT PANEL ASSY (SILVER)...(SILVER) (EXCEPT MX)	
51	X-2176-080-1	FRONT PANEL ASSY (BLACK)...(BLACK) (MX)	
52	4-977-358-01	CUSHION	
53	2-661-142-01	KNOB (VOLUME) (BLACK)...(BLACK) (MX)	
53	2-661-142-11	KNOB (VOLUME) (SILVER)...(SILVER) (EXCEPT MX)	
54	2-661-141-01	KNOB (MENU) (BLACK)...(BLACK) (MX)	
54	2-661-141-11	KNOB (MENU) (SILVER)...(SILVER) (EXCEPT MX)	

Ref. No.	Part No.	Description	Remark
55	3-087-053-01	+BVTP 2.6 (3CR)	
56	A-1223-145-A	DISPLAY BOARD, COMPLETE (EXCEPT E51,MX)	
56	A-1223-147-A	DISPLAY BOARD, COMPLETE (E51)	
56	A-1251-515-A	DISPLAY BOARD, COMPLETE (MX)	
57	1-829-004-51	WIRE (FLAT TYPE) (19 CORE)	
58	3-354-981-11	SPRING (SUS), RING	
FL101	1-519-927-11	VACUUM FLUORESCENT DISPLAY	

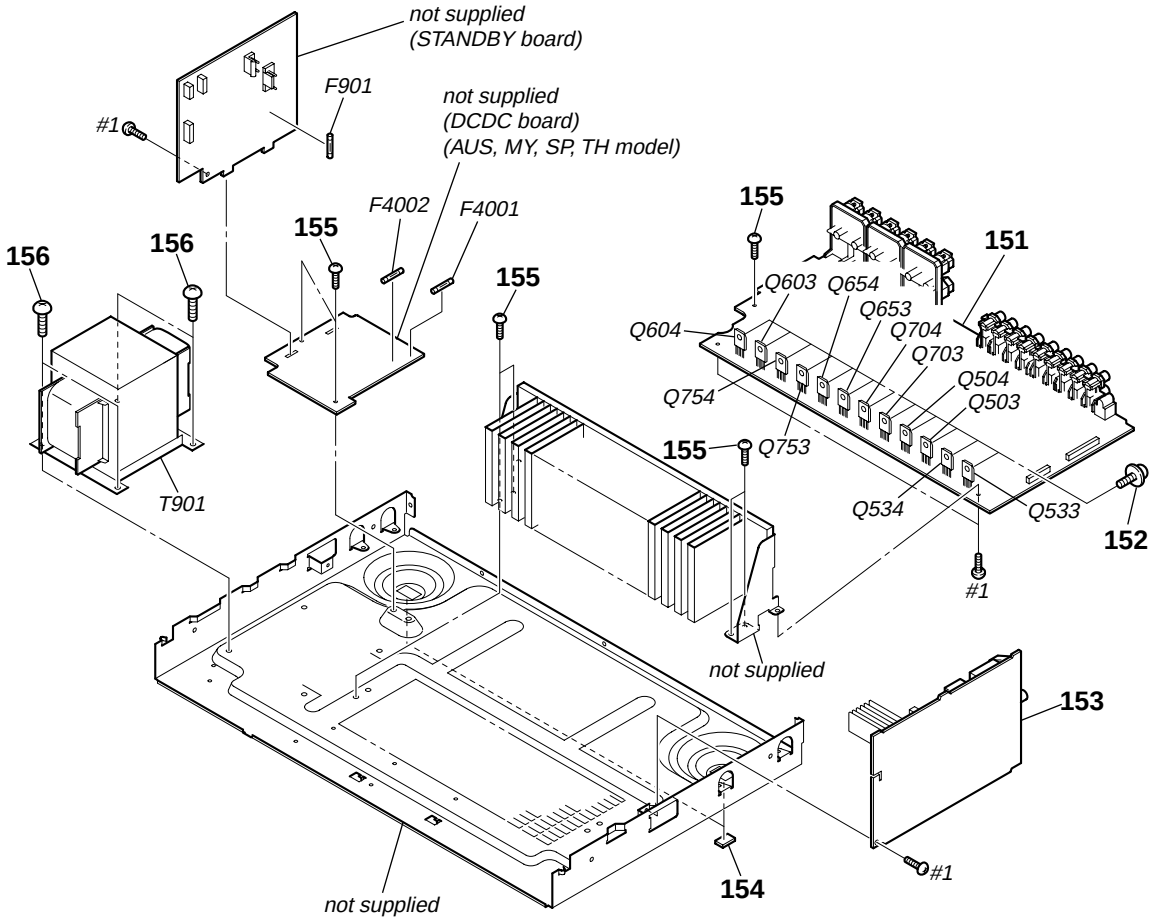
6-3. BACK PANEL SECTION



Ref. No.	Part No.	Description	Remark
101	1-829-953-11	WIRE (FLAT TYPE) (9 CORE)	
102	1-828-973-11	WIRE (FLAT TYPE) (13 CORE)	
103	A-1158-394-A	HDMI SW BOARD, COMPLETE (EXCEPT MX)	
103	A-1251-524-A	HDMI SW BOARD, COMPLETE (MX)	
104	3-703-244-21	BUSHING (2104), CORD	
⚠105	1-696-848-81	CORD, POWER (AUS)	
⚠105	1-777-071-83	CORD, POWER (E51,MY,SP,TH)	
⚠105	1-783-941-12	CORD, POWER (AR)	
⚠105	1-829-627-11	POWER-SUPPLY CORD (MX)	

Ref. No.	Part No.	Description	Remark
106	4-956-370-12	BAND, PLUG FIXED (AUS)	
⚠107	1-569-008-22	ADAPTOR, CONVERSION 2P (E51)	
TN1	1-693-728-11	TUNER (FM/AM) (ANTENNA) (MX)	
TN1	1-693-733-11	TUNER (FM/AM) (ANTENNA) (E51,AR)	
TN1	1-693-735-11	TUNER (FM/AM) (ANTENNA) (AUS,MY,SP,TH)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-871-01	SCREW +BVTT 3X6 (S)	
#3	7-685-862-09	SCREW +BVTT 2.6X6 (S)	

6-4. CHASSIS SECTION



Ref. No.	Part No.	Description	Remark
151	A-1223-131-A	MAIN BOARD, COMPLETE (MY,SP,TH)	
151	A-1223-132-A	MAIN BOARD, COMPLETE (AUS)	
151	A-1223-133-A	MAIN BOARD, COMPLETE (E51,AR)	
151	A-1251-510-A	MAIN BOARD, COMPLETE (MX)	
152	3-905-609-01	SCREW (TRANSISTOR)	
153	A-1223-018-A	DIGITAL BOARD, COMPLETE (MY,SP,TH)	
153	A-1223-019-A	DIGITAL BOARD, COMPLETE (AUS)	
153	A-1223-020-A	DIGITAL BOARD, COMPLETE (E51)	
153	A-1223-021-A	DIGITAL BOARD, COMPLETE (AR)	
153	A-1251-522-A	DIGITAL BOARD, COMPLETE (MX)	
154	4-977-358-01	CUSHION	
155	3-077-331-21	+BV 3 (3-CR)	
156	4-249-675-01	+BV SUMITITE S 4X6 ROUND	
⚠F901	1-532-464-33	FUSE (T2.5AL/250V) (EXCEPT MX)	
⚠F901	1-532-504-33	FUSE (T4AL/250V) (MX)	
⚠F4001	1-532-465-33	FUSE (T3.15AL/250V) (AUS,MY,SP,TH)	
⚠F4002	1-532-465-33	FUSE (T3.15AL/250V) (AUS,MY,SP,TH)	

Ref. No.	Part No.	Description	Remark
Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q533	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q534	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q603	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q604	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q753	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q754	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
⚠T901	1-443-523-11	TRANSFORMER, POWER (MAIN) (MX)	
⚠T901	1-443-525-11	TRANSFORMER, POWER (MAIN) (EXCEPT E51,MX)	
⚠T901	1-443-526-11	TRANSFORMER, POWER (MAIN) (E51)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	

SECTION 7
ELECTRICAL PARTS LIST

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : µ, for example:
  uA.. : µA.. uPA.. : µPA..
  uPB.. : µPB.. uPC.. : µPC.. uPD.. : µPD..
- CAPACITORS
  uF : µF
- COILS
  uH : µH
- Abbreviation
  E51 : Chilean and Peruvian models
  AUS : Australian model
  MY : Malaysia model
  SP : Singapore model
  TH : Thai model
  AR : Argentina model
  MX : Mexican model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
		AC SELECT BOARD (E51)			
		**********			
		< CONNECTOR >			
* CNP910	1-564-687-11	PIN, CONNECTOR (3.96mm PITCH) 3P			
		< SWITCH >			
⚠S901	1-571-437-21	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR)			
**********					
		DCAC BOARD			
		**********			
		< CAPACITOR >			
C2001	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2002	1-126-160-11	ELECT	1uF	20%	50V
C2003	1-164-373-11	CERAMIC CHIP	0.033uF		25V
C2005	1-162-921-11	CERAMIC CHIP	33PF	5%	50V
C2006	1-126-160-11	ELECT	1uF	20%	50V
C2008	1-162-924-11	CERAMIC CHIP	56PF	5%	50V
C2010	1-164-373-11	CERAMIC CHIP	0.033uF		25V
C2011	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C2012	1-162-995-11	CERAMIC CHIP	0.022uF		50V
C2013	1-126-160-11	ELECT	1uF	20%	50V
C2014	1-124-465-00	ELECT	0.47uF	20%	50V
C2018	1-164-156-11	CERAMIC CHIP	0.1uF		25V
		< DIODE >			
D2013	8-719-988-61	DIODE 1SS355TE-17			
D2014	8-719-988-61	DIODE 1SS355TE-17			
		< IC >			
IC2000	8-759-710-97	IC NJM4565M-D			
		< JACK >			
J2000	1-820-056-11	JACK (SMALL TYPE) (AUTO CAL MIC)			
		< RESISTOR >			
R2000	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2001	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2003	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2005	1-216-857-11	METAL CHIP	1M	5%	1/10W
R2006	1-216-821-11	METAL CHIP	1K	5%	1/10W
R2007	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2008	1-216-854-11	METAL CHIP	560K	5%	1/10W
R2010	1-216-833-11	METAL CHIP	10K	5%	1/10W
R2015	1-216-839-11	METAL CHIP	33K	5%	1/10W
R2016	1-216-835-11	METAL CHIP	15K	5%	1/10W
R2017	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R2018	1-216-822-11	METAL CHIP	1.2K	5%	1/10W
R2019	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
**********					
		DCDC BOARD (AUS,MY,SP,TH)			
		**********			
	1-533-313-11	HOLDER, FUSE			
		< CAPACITOR >			
C4002	1-128-549-11	ELECT	3300uF	20%	35V
C4003	1-115-814-11	ELECT	0.001F	20%	35V
C4004	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C4005	1-128-950-21	ELECT	1000uF	20%	16V
C4006	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
		< DIODE >			
D4001	8-719-077-77	DIODE D3SB60F3			
D4803	8-719-080-53	DIODE RK36LF-B3			
		< IC >			
IC4001	8-759-474-09	IC SI-8050S-LF1101			
		< COIL >			
L4000	1-456-545-11	INDUCTOR	100uH		
L4001	1-456-545-11	INDUCTOR	100uH		
		< RESISTOR >			
R4000	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R4001	1-216-817-11	METAL CHIP	470	5%	1/10W
R4002	1-216-819-11	METAL CHIP	680	5%	1/10W
**********					

Ref. No.	Part No.	Description			Remark
	A-1223-018-A	DIGITAL BOARD, COMPLETE (MY,SP,TH)			
	A-1223-019-A	DIGITAL BOARD, COMPLETE (AUS)			
	A-1223-020-A	DIGITAL BOARD, COMPLETE (E51)			
	A-1223-021-A	DIGITAL BOARD, COMPLETE (AR)			
	A-1251-522-A	DIGITAL BOARD, COMPLETE (MX)			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C1001	1-126-925-11	ELECT	470uF	20%	10V
C1002	1-125-891-11	CERAMIC CHIP	0.47uF	10%	10V
C1004	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1005	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1019	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1021	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C1022	1-135-372-31	ELECT	470uF	20%	10V
C1031	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C1032	1-135-372-31	ELECT	470uF	20%	10V
C1067	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1068	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1100	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1102	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1103	1-126-947-11	ELECT	47uF	20%	35V
C1107	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1108	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1118	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1119	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1120	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1121	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1122	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1123	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1124	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1129	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1131	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1132	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1137	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1138	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1139	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1140	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1142	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1144	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1145	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1149	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1171	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1172	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1253	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1254	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1255	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1299	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1301	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1302	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1303	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1304	1-107-726-11	CERAMIC CHIP	0.01uF	10%	16V
C1305	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1306	1-126-947-11	ELECT	47uF	20%	35V
C1308	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1309	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C1310	1-162-918-11	CERAMIC CHIP	18PF	5%	50V

Ref. No.	Part No.	Description			Remark
C1312	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1313	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C1314	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1315	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1351	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1354	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1355	1-104-662-11	ELECT	22uF	20%	25V
C1358	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1359	1-126-916-11	ELECT	1000uF	20%	6.3V
C1361	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1362	1-162-974-11	CERAMIC CHIP	0.01uF		50V
C1401	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1402	1-126-947-11	ELECT	47uF	20%	35V
C1403	1-126-964-11	ELECT	10uF	20%	50V
C1404	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1405	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1406	1-126-964-11	ELECT	10uF	20%	50V
C1407	1-126-964-11	ELECT	10uF	20%	50V
C1408	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1409	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1411	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1413	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1414	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1415	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C1418	1-126-964-11	ELECT	10uF	20%	50V
C1420	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1422	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1423	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1428	1-126-964-11	ELECT	10uF	20%	50V
C1432	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1433	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1438	1-126-964-11	ELECT	10uF	20%	50V
C1441	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1442	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1448	1-126-964-11	ELECT	10uF	20%	50V
C1450	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1451	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1453	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1454	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1455	1-126-964-11	ELECT	10uF	20%	50V
C1457	1-126-964-11	ELECT	10uF	20%	50V
C1458	1-126-964-11	ELECT	10uF	20%	50V
C1462	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1463	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1468	1-126-964-11	ELECT	10uF	20%	50V
C1471	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1472	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1473	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1474	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1475	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1478	1-126-964-11	ELECT	10uF	20%	50V
C1481	1-162-961-11	CERAMIC CHIP	330PF	10%	50V
C1483	1-162-963-11	CERAMIC CHIP	680PF	10%	50V
C1487	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1491	1-126-964-11	ELECT	10uF	20%	50V
C1494	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1495	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C1501	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V

Ref. No.	Part No.	Description			Remark
C1502	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1503	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1504	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1505	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1506	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1507	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1508	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1509	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1510	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1511	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1513	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1514	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1515	1-126-925-11	ELECT	470uF	20%	10V
C1516	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1517	1-126-925-11	ELECT	470uF	20%	10V
C1518	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1519	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1520	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1521	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1522	1-162-920-11	CERAMIC CHIP	27PF	5%	50V
C1525	1-126-925-11	ELECT	470uF	20%	10V
C1547	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1557	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1566	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1567	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1568	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1569	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C1604	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1605	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1620	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1639	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V (AUS,MY,SP,TH)
C1905	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C1906	1-126-925-11	ELECT	470uF	20%	10V
C1908	1-126-925-11	ELECT	470uF	20%	10V
C1910	1-165-722-11	ELECT	100uF	20%	10V (AUS,MY,SP,TH)
C1911	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V (AUS,MY,SP,TH)
C1913	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C1914	1-126-947-11	ELECT	47uF	20%	35V
C1919	1-126-965-11	ELECT	22uF	20%	50V (AUS,MY,SP,TH)
C1920	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V (AUS,MY,SP,TH)
C1921	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V (AUS,MY,SP,TH)
		< CONNECTOR >			
CNP503	1-691-770-11	PLUG (MICRO CONNECTOR) 8P			
* CNP505	1-564-510-11	PLUG, CONNECTOR 7P			
* CNP512	1-564-506-11	PLUG, CONNECTOR 3P (AUS,MY,SP,TH)			
CNS501	1-573-829-11	CONNECTOR, BOARD TO BOARD 15P			
CNS502	1-573-825-11	CONNECTOR, BOARD TO BOARD 11P			
CNS504	1-784-731-11	CONNECTOR, FFC 9P			
CNS507	1-568-828-11	CONNECTOR, FFC 9P			
CNS509	1-784-774-11	CONNECTOR, FFC 13P			
CNS514	1-784-780-11	CONNECTOR, FFC 19P			

Ref. No.	Part No.	Description	Remark
		< DIODE >	
D1001	8-719-053-18	DIODE 1SR154-400TE-25	
D1003	8-719-049-09	DIODE 1SS367-T3SONY	
D1004	8-719-049-09	DIODE 1SS367-T3SONY	
D1107	8-719-404-50	DIODE MA111-TX	
D1108	8-719-404-50	DIODE MA111-TX	
D1109	8-719-404-50	DIODE MA111-TX	
D1110	8-719-404-50	DIODE MA111-TX	
D1111	8-719-404-50	DIODE MA111-TX	
D1301	8-719-404-50	DIODE MA111-TX	
D1302	8-719-404-50	DIODE MA111-TX	
D1501	8-719-049-09	DIODE 1SS367-T3SONY	
D1502	8-719-049-09	DIODE 1SS367-T3SONY	
D1503	8-719-049-09	DIODE 1SS367-T3SONY	
D1504	8-719-049-09	DIODE 1SS367-T3SONY	
		< FERRITE BEAD >	
FB1101	1-400-862-11	BEAD, FERRITE	
FB1302	1-400-862-11	BEAD, FERRITE	
FB1305	1-400-862-11	BEAD, FERRITE	
FB1308	1-400-862-11	BEAD, FERRITE	
FB1310	1-400-862-11	BEAD, FERRITE	
FB1350	1-400-862-11	BEAD, FERRITE	
FB1403	1-400-862-11	BEAD, FERRITE	
FB1405	1-400-862-11	BEAD, FERRITE	
FB1452	1-400-862-11	BEAD, FERRITE	
FB1453	1-400-862-11	BEAD, FERRITE	
FB1501	1-400-862-11	BEAD, FERRITE	
FB1502	1-400-862-11	BEAD, FERRITE	
FB1503	1-400-862-11	BEAD, FERRITE	
FB1504	1-469-670-21	FERRITE, EMI (SMD) (2012) (AUS,MY,SP,TH)	
FB1505	1-400-862-11	BEAD, FERRITE (AUS,MY,SP,TH)	
		< IC >	
IC1001	8-759-231-53	IC TA7805S	
IC1031	6-705-469-01	IC BA50BC0FP-E2	
IC1101	6-807-491-01	IC MB90F045PF-G-9050-SPE1	
IC1111	6-702-913-01	IC S-80929CNMC-G8ZT2G	
IC1131	6-705-866-01	IC BR24L16FJ-WE2	
IC1301	8-759-825-15	IC LC89056W-E	
IC1303	8-759-096-87	IC TC7WU04FU(TE12R)	
IC1351	6-600-466-01	IC TORX147L(SONY) (DIGITAL VIDEO 2/BD IN (OPTICAL))	
IC1354	6-600-466-01	IC TORX147L(SONY) (DIGITAL SAT IN (OPTICAL))	
IC1401	6-707-608-01	IC PCM1803DBR	
IC1403	8-759-710-97	IC NJM4565M-D	
IC1404	8-759-710-97	IC NJM4565M-D	
IC1405	8-759-710-97	IC NJM4565M-D	
IC1406	8-759-710-97	IC NJM4565M-D	
IC1452	6-708-785-01	IC PCM1609APT	
IC1501	6-705-900-01	IC CXD9718BQ	
IC1502	6-709-278-01	IC IS61WV6416BLL-12TLI	
IC1503	8-759-546-74	IC TC7WH157FU(TE12R)	
IC1902	8-759-231-56	IC TA7809S	
IC1903	6-701-887-02	IC SI-3004KWF	
IC1904	6-705-468-01	IC BA33BC0FP-E2	
IC1906	6-707-745-10	IC SI-3050KM-TL (AUS,MY,SP,TH)	

Ref. No.	Part No.	Description			Remark
		< JACK >			
J1301	1-793-446-21	JACK, PIN 1P (DIGITAL DVD IN (COAXIAL))			
		< CONNECTOR >			
J1311	1-817-615-21	CONNECTOR, BOARD TO BOARD 18P (DMPORT)			(AUS,MY,SP,TH)
		< JUMPER RESISTOR >			
JR1002	1-211-950-11	SHORT CHIP	0		
JR1005	1-216-864-11	SHORT CHIP	0		
JR1008	1-216-864-11	SHORT CHIP	0		
JR1020	1-216-864-11	SHORT CHIP	0		
JR1511	1-400-862-11	BEAD, FERRITE			
		< RESISTOR >			
R1010	1-216-809-11	METAL CHIP	100	5%	1/10W
R1011	1-216-809-11	METAL CHIP	100	5%	1/10W
R1012	1-216-809-11	METAL CHIP	100	5%	1/10W
R1013	1-216-809-11	METAL CHIP	100	5%	1/10W
R1014	1-216-809-11	METAL CHIP	100	5%	1/10W
R1015	1-216-809-11	METAL CHIP	100	5%	1/10W
R1035	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1039	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1041	1-216-809-11	METAL CHIP	100	5%	1/10W
R1042	1-216-809-11	METAL CHIP	100	5%	1/10W
R1049	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1050	1-216-809-11	METAL CHIP	100	5%	1/10W (AUS,MY,SP,TH)
R1061	1-216-809-11	METAL CHIP	100	5%	1/10W
R1062	1-216-809-11	METAL CHIP	100	5%	1/10W
R1065	1-216-809-11	METAL CHIP	100	5%	1/10W
R1066	1-216-809-11	METAL CHIP	100	5%	1/10W
R1067	1-216-809-11	METAL CHIP	100	5%	1/10W
R1068	1-216-809-11	METAL CHIP	100	5%	1/10W
R1072	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1073	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1076	1-216-809-11	METAL CHIP	100	5%	1/10W
R1077	1-216-809-11	METAL CHIP	100	5%	1/10W
R1078	1-216-809-11	METAL CHIP	100	5%	1/10W
R1083	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1084	1-216-809-11	METAL CHIP	100	5%	1/10W
R1088	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1094	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1095	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1096	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1105	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1106	1-216-809-11	METAL CHIP	100	5%	1/10W
R1107	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1108	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1110	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1111	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1112	1-216-809-11	METAL CHIP	100	5%	1/10W
R1114	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R1117	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1118	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1120	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1121	1-216-809-11	METAL CHIP	100	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1122	1-216-809-11	METAL CHIP	100	5%	1/10W
R1123	1-216-809-11	METAL CHIP	100	5%	1/10W
R1124	1-216-809-11	METAL CHIP	100	5%	1/10W
R1125	1-216-809-11	METAL CHIP	100	5%	1/10W
R1126	1-216-809-11	METAL CHIP	100	5%	1/10W
R1127	1-216-809-11	METAL CHIP	100	5%	1/10W
R1128	1-216-809-11	METAL CHIP	100	5%	1/10W
R1129	1-216-809-11	METAL CHIP	100	5%	1/10W
R1134	1-216-809-11	METAL CHIP	100	5%	1/10W
R1135	1-216-809-11	METAL CHIP	100	5%	1/10W
R1140	1-216-809-11	METAL CHIP	100	5%	1/10W
R1143	1-216-809-11	METAL CHIP	100	5%	1/10W
R1144	1-216-809-11	METAL CHIP	100	5%	1/10W
R1150	1-216-809-11	METAL CHIP	100	5%	1/10W
R1151	1-216-809-11	METAL CHIP	100	5%	1/10W
R1152	1-216-809-11	METAL CHIP	100	5%	1/10W
R1153	1-216-809-11	METAL CHIP	100	5%	1/10W
R1154	1-216-809-11	METAL CHIP	100	5%	1/10W
R1156	1-216-864-11	SHORT CHIP	0		
R1157	1-216-864-11	SHORT CHIP	0		
R1159	1-216-827-11	METAL CHIP	3.3K	5%	1/10W
R1160	1-216-809-11	METAL CHIP	100	5%	1/10W
R1161	1-216-809-11	METAL CHIP	100	5%	1/10W
R1163	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1164	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1175	1-216-809-11	METAL CHIP	100	5%	1/10W
R1179	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1180	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1181	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1182	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1183	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1184	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1185	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1186	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1187	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1188	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1189	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1190	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1191	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1192	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1193	1-216-837-11	METAL CHIP	22K	5%	1/10W (AR,MX)
R1193	1-216-841-11	METAL CHIP	47K	5%	1/10W (EXCEPT AR,MX)
R1194	1-216-829-11	METAL CHIP	4.7K	5%	1/10W (AUS,MY,SP,TH)
R1194	1-216-837-11	METAL CHIP	22K	5%	1/10W (E51)
R1194	1-216-841-11	METAL CHIP	47K	5%	1/10W (AR,MX)
R1201	1-216-837-11	METAL CHIP	22K	5%	1/10W
R1253	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1260	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1261	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1301	1-216-830-11	METAL CHIP	5.6K	5%	1/10W
R1302	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R1303	1-216-839-11	METAL CHIP	33K	5%	1/10W
R1304	1-216-809-11	METAL CHIP	100	5%	1/10W
R1305	1-216-819-11	METAL CHIP	680	5%	1/10W

Ref. No.	Part No.	Description			Remark
R1306	1-216-801-11	METAL CHIP	22	5%	1/10W
R1307	1-216-809-11	METAL CHIP	100	5%	1/10W
R1308	1-216-809-11	METAL CHIP	100	5%	1/10W
R1309	1-216-809-11	METAL CHIP	100	5%	1/10W
R1310	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1311	1-216-809-11	METAL CHIP	100	5%	1/10W
R1312	1-216-809-11	METAL CHIP	100	5%	1/10W
R1313	1-216-809-11	METAL CHIP	100	5%	1/10W
R1314	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1318	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1319	1-216-864-11	SHORT CHIP	0		
R1321	1-216-864-11	SHORT CHIP	0		
R1323	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1325	1-216-864-11	SHORT CHIP	0		
R1351	1-216-809-11	METAL CHIP	100	5%	1/10W
R1352	1-216-821-11	METAL CHIP	1K	5%	1/10W (AUS,MY,SP,TH)
R1353	1-216-821-11	METAL CHIP	1K	5%	1/10W (AUS,MY,SP,TH)
R1354	1-216-809-11	METAL CHIP	100	5%	1/10W
R1355	1-218-285-11	METAL CHIP	75	5%	1/10W
R1356	1-216-817-11	METAL CHIP	470	5%	1/10W
R1357	1-216-841-11	METAL CHIP	47K	5%	1/10W
R1359	1-216-809-11	METAL CHIP	100	5%	1/10W
R1360	1-216-809-11	METAL CHIP	100	5%	1/10W
R1401	1-216-809-11	METAL CHIP	100	5%	1/10W
R1407	1-216-809-11	METAL CHIP	100	5%	1/10W
R1409	1-216-864-11	SHORT CHIP	0		
R1410	1-216-817-11	METAL CHIP	470	5%	1/10W
R1411	1-216-817-11	METAL CHIP	470	5%	1/10W
R1414	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1416	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1421	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1424	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1425	1-216-864-11	SHORT CHIP	0		
R1426	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1434	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1435	1-216-864-11	SHORT CHIP	0		
R1436	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1444	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1445	1-216-864-11	SHORT CHIP	0		
R1446	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1454	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1455	1-216-864-11	SHORT CHIP	0		
R1460	1-216-864-11	SHORT CHIP	0		
R1461	1-216-864-11	SHORT CHIP	0		
R1463	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1464	1-216-864-11	SHORT CHIP	0		
R1466	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1469	1-216-809-11	METAL CHIP	100	5%	1/10W
R1470	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1473	1-216-832-11	METAL CHIP	8.2K	5%	1/10W
R1474	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1476	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1483	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1484	1-216-864-11	SHORT CHIP	0		
R1486	1-216-821-11	METAL CHIP	1K	5%	1/10W
R1490	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1491	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1492	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1493	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1494	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1495	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R1501	1-216-809-11	METAL CHIP	100	5%	1/10W
R1502	1-216-809-11	METAL CHIP	100	5%	1/10W
R1503	1-216-813-11	METAL CHIP	220	5%	1/10W
R1504	1-216-809-11	METAL CHIP	100	5%	1/10W
R1505	1-216-809-11	METAL CHIP	100	5%	1/10W
R1506	1-216-809-11	METAL CHIP	100	5%	1/10W
R1507	1-216-809-11	METAL CHIP	100	5%	1/10W
R1508	1-216-809-11	METAL CHIP	100	5%	1/10W
R1509	1-216-809-11	METAL CHIP	100	5%	1/10W
R1510	1-216-809-11	METAL CHIP	100	5%	1/10W
R1511	1-216-809-11	METAL CHIP	100	5%	1/10W
R1512	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1513	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1514	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1515	1-216-857-11	METAL CHIP	1M	5%	1/10W
R1523	1-216-813-11	METAL CHIP	220	5%	1/10W
R1524	1-216-864-11	SHORT CHIP	0		
R1530	1-216-845-11	METAL CHIP	100K	5%	1/10W
R1541	1-216-813-11	METAL CHIP	220	5%	1/10W
R1555	1-216-813-11	METAL CHIP	220	5%	1/10W
R1556	1-216-809-11	METAL CHIP	100	5%	1/10W
R1557	1-216-813-11	METAL CHIP	220	5%	1/10W
R1570	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1571	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1572	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1573	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1574	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1602	1-216-864-11	SHORT CHIP	0		
R1635	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1636	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1637	1-216-864-11	SHORT CHIP	0 (AUS,MY,SP,TH)		
R1640	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1643	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1644	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1645	1-216-833-11	METAL CHIP	10K	5%	1/10W
R1940	1-216-864-11	SHORT CHIP	0 (AUS,MY,SP,TH)		
R1941	1-216-833-11	METAL CHIP	10K	5%	1/10W (AUS,MY,SP,TH)
R1943	1-216-841-11	METAL CHIP	47K	5%	1/10W

< NETWORK RESISTOR >

RB1500	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	
RB1501	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	
RB1502	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	
RB1503	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	
RB1504	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	
RB1506	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	
RB1507	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	
RB1508	1-233-576-11	RES, CHIP NETWORK 100X4 (3216)	

< VIBRATOR >

X1101	1-813-448-21	PIEZOELECTRIC OSCILLATOR (24MHz)
X1301	1-795-126-21	VIBRATOR, CRYSTAL (12.288MHz)

Ref. No.	Part No.	Description			Remark
X1502	1-813-276-21	QUARTZ, CRYSTAL (13.9MHz)			
**********					
	A-1223-145-A	DISPLAY BOARD, COMPLETE (EXCEPT E51,MX)			
	A-1223-147-A	DISPLAY BOARD, COMPLETE (E51)			
	A-1251-515-A	DISPLAY BOARD, COMPLETE (MX)			
		**********			
		< CAPACITOR >			
C110	1-162-286-31	CERAMIC	220PF	10%	50V
C111	1-162-286-31	CERAMIC	220PF	10%	50V
C112	1-162-286-31	CERAMIC	220PF	10%	50V
C114	1-127-888-11	CERAMIC	0.1uF	10%	50V
C115	1-126-964-11	ELECT	10uF	20%	50V
C144	1-127-888-11	CERAMIC	0.1uF	10%	50V
C145	1-127-888-11	CERAMIC	0.1uF	10%	50V
C147	1-162-286-31	CERAMIC	220PF	10%	50V
C148	1-126-964-11	ELECT	10uF	20%	50V
C149	1-162-286-31	CERAMIC	220PF	10%	50V
C160	1-127-888-11	CERAMIC	0.1uF	10%	50V
C162	1-127-888-11	CERAMIC	0.1uF	10%	50V
C164	1-162-286-31	CERAMIC	220PF	10%	50V
C165	1-126-964-11	ELECT	10uF	20%	50V
		< CONNECTOR >			
* CN104	1-691-746-11	CONNECTOR, BOARD TO BOARD 5P			
CNP106	1-564-718-11	PIN, CONNECTOR (SMALL TYPE) 2P			
CNS101	1-784-780-11	CONNECTOR, FFC 19P			
		< DIODE >			
D105	6-501-539-01	LED SELK5E20C-DTP15 (MULTI CHANNEL DECODING)			
		< VACUUM FLUORESCENT DISPLAY >			
FL101	1-519-927-11	VACUUM FLUORESCENT DISPLAY			
		< IC >			
IC100	8-759-643-83	IC uPD16315GB-3BS			
IC101	8-759-243-51	IC TC74ACT08P			
IC103	6-600-349-31	IC NJL24H400A (IR)			
		< TRANSISTOR >			
Q110	8-729-119-78	TRANSISTOR 2SC2785-HFE			
		< RESISTOR >			
R101	1-249-409-11	CARBON	220	5%	1/4W
R102	1-249-411-11	CARBON	330	5%	1/4W
R103	1-249-413-11	CARBON	470	5%	1/4W
R104	1-249-415-11	CARBON	680	5%	1/4W
R105	1-247-831-11	CARBON	1K	5%	1/4W
R106	1-249-419-11	CARBON	1.5K	5%	1/4W
R107	1-249-421-11	CARBON	2.2K	5%	1/4W
R108	1-249-409-11	CARBON	220	5%	1/4W
R109	1-249-411-11	CARBON	330	5%	1/4W
R110	1-249-413-11	CARBON	470	5%	1/4W
R115	1-247-807-31	CARBON	100	5%	1/4W
R116	1-247-807-31	CARBON	100	5%	1/4W
R117	1-247-807-31	CARBON	100	5%	1/4W

Ref. No.	Part No.	Description			Remark
R118	1-249-440-11	CARBON	82K	5%	1/4W
R119	1-247-807-31	CARBON	100	5%	1/4W
R120	1-249-393-11	CARBON	10	5%	1/4W F
R122	1-247-804-11	CARBON	75	5%	1/4W
R131	1-249-421-11	CARBON	2.2K	5%	1/4W
R197	1-249-384-11	CARBON	1.8	5%	1/4W F
R198	1-249-384-11	CARBON	1.8	5%	1/4W F
		< ROTARY ENCODER >			
RV101	1-418-817-11	ENCODER, ROTARY (INPUT SELECTOR)			
RV102	1-418-725-41	ENCODER, ROTARY (12 TYPE) (MASTER VOLUME)			
		< SWITCH >			
S101	1-771-410-21	SWITCH, TACTILE (X-ROUND SPEED)			
S102	1-771-410-21	SWITCH, TACTILE (X-ROUND MODE)			
S103	1-771-410-21	SWITCH, TACTILE (INPUT MODE)			
S104	1-771-410-21	SWITCH, TACTILE (DISPLAY)			
S105	1-771-410-21	SWITCH, TACTILE (MUSIC)			
S106	1-771-410-21	SWITCH, TACTILE (MOVIE)			
S107	1-771-410-21	SWITCH, TACTILE (A.F.D.)			
S108	1-771-410-21	SWITCH, TACTILE (2CH)			
S109	1-771-410-21	SWITCH, TACTILE (SUR BACK DECODING)			
S110	1-771-410-21	SWITCH, TACTILE (SLEEP)			
S111	1-771-410-21	SWITCH, TACTILE (DIMMER)			
S112	1-771-410-21	SWITCH, TACTILE (MEMORY/ENTER)			
**********					
	A-1158-394-A	HDMI SW BOARD, COMPLETE (EXCEPT MX)			
	A-1251-524-A	HDMI SW BOARD, COMPLETE (MX)			
		**********			
		< CAPACITOR >			
C5001	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5002	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5003	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5004	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5005	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5006	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5007	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5008	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5009	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5010	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5011	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5012	1-112-788-11	ELECT CHIP	330uF	20%	6.3V
C5013	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V
C5014	1-112-788-11	ELECT CHIP	330uF	20%	6.3V
C5015	1-128-994-21	ELECT CHIP	47uF	20%	10V
C5016	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5017	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C5018	1-115-467-11	CERAMIC CHIP	0.22uF	10%	10V
C5019	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5020	1-107-826-11	CERAMIC CHIP	0.1uF	10%	16V
C5021	1-117-681-11	ELECT CHIP	100uF	20%	16V
C5022	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5023	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C5024	1-128-934-11	CERAMIC CHIP	0.33uF	20%	10V
C5027	1-128-994-21	ELECT CHIP	47uF	20%	10V

Ref. No.	Part No.	Description			Remark
		< CONNECTOR >			
CN5001	1-820-735-11	CONNECTOR, HDMI 19P (HDMI DVD IN)			
CN5002	1-820-735-11	CONNECTOR, HDMI 19P (HDMI VIDEO 2/BD IN)			
CN5003	1-820-735-11	CONNECTOR, HDMI 19P (HDMI OUT)			
* CN5004	1-770-470-21	PIN, CONNECTOR (PC BOARD) 6P			
		< IC >			
IC5001	6-709-221-01	IC TMDS341PFCR			
IC5002	6-705-337-01	IC TK11150CSCL-G			
IC5003	6-705-468-01	IC BA33BC0FP-E2			
IC5004	6-704-099-01	IC TC7WZ08FK(TE85R)			
IC5005	6-707-207-01	IC SN74LVC1G3157DCKR			
IC5006	6-706-740-01	IC BA00BC0WFP-E2			
		< FERRITE BEAD >			
L5013	1-400-862-11	BEAD, FERRITE			
		< RESISTOR >			
R5001	1-218-861-11	METAL CHIP	3.9K	0.5%	1/10W
R5002	1-218-844-11	METAL CHIP	750	0.5%	1/10W
R5003	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5004	1-216-864-11	SHORT CHIP	0		
R5005	1-216-864-11	SHORT CHIP	0		
R5006	1-216-864-11	SHORT CHIP	0		
R5007	1-216-864-11	SHORT CHIP	0		
R5008	1-216-864-11	SHORT CHIP	0		
R5009	1-216-864-11	SHORT CHIP	0		
R5010	1-216-864-11	SHORT CHIP	0		
R5011	1-216-864-11	SHORT CHIP	0		
R5014	1-216-864-11	SHORT CHIP	0		
R5015	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5016	1-216-864-11	SHORT CHIP	0		
R5017	1-216-864-11	SHORT CHIP	0		
R5018	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5019	1-216-864-11	SHORT CHIP	0		
R5020	1-216-864-11	SHORT CHIP	0		
R5022	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5024	1-216-864-11	SHORT CHIP	0		
R5025	1-216-864-11	SHORT CHIP	0		
R5026	1-216-809-11	METAL CHIP	100	5%	1/10W
R5027	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5028	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5029	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5030	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5042	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5043	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R5047	1-216-864-11	SHORT CHIP	0		
R5048	1-216-864-11	SHORT CHIP	0		
R5049	1-216-864-11	SHORT CHIP	0		
R5050	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5051	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R5052	1-216-841-11	METAL CHIP	47K	5%	1/10W
R5053	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R5054	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5055	1-216-833-11	METAL CHIP	10K	5%	1/10W
R5056	1-216-821-11	METAL CHIP	1K	5%	1/10W
R5060	1-216-864-11	SHORT CHIP	0		
R5061	1-216-864-11	SHORT CHIP	0		
R5068	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5069	1-216-845-11	METAL CHIP	100K	5%	1/10W
R5072	1-216-809-11	METAL CHIP	100	5%	1/10W
R5073	1-216-864-11	SHORT CHIP	0		
R5074	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
**********					
		HEADPHONE BOARD			
		**********			
		< CAPACITOR >			
C790	1-127-888-11	CERAMIC	0.1uF	10%	50V
C791	1-127-888-11	CERAMIC	0.1uF	10%	50V
		< CONNECTOR >			
* CNP790	1-564-508-11	PLUG, CONNECTOR 5P			
		< JACK >			
J790	1-815-314-21	JACK (PHONES)			
		< LEAD WIRE >			
* TP790	1-690-880-31	LEAD (WITH CONNECTOR)			
**********					
	A-1223-131-A	MAIN BOARD, COMPLETE (MY,SP,TH)			
	A-1223-132-A	MAIN BOARD, COMPLETE (AUS)			
	A-1223-133-A	MAIN BOARD, COMPLETE (E51,AR)			
	A-1251-510-A	MAIN BOARD, COMPLETE (MX)			
		**********			
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3			
		< CAPACITOR >			
C400	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C403	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C408	1-126-963-11	ELECT	4.7uF	20%	50V
C409	1-126-963-11	ELECT	4.7uF	20%	50V
C444	1-162-966-11	CERAMIC CHIP	0.0022uF	10%	50V
C453	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C458	1-126-963-11	ELECT	4.7uF	20%	50V
C459	1-126-963-11	ELECT	4.7uF	20%	50V
C463	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C464	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C468	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C469	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C471	1-126-963-11	ELECT	4.7uF	20%	50V
C481	1-126-964-11	ELECT	10uF	20%	50V
C484	1-126-964-11	ELECT	10uF	20%	50V
C485	1-126-964-11	ELECT	10uF	20%	50V
C488	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C490	1-126-964-11	ELECT	10uF	20%	50V
C492	1-126-964-11	ELECT	10uF	20%	50V
C493	1-126-964-11	ELECT	10uF	20%	50V
C495	1-126-964-11	ELECT	10uF	20%	50V
C501	1-126-963-11	ELECT	4.7uF	20%	50V
C503	1-165-722-11	ELECT	100uF	20%	10V
C504	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C505	1-102-233-00	CERAMIC	33PF	10%	500V

Ref. No.	Part No.	Description			Remark
C506	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C507	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C510	1-126-947-11	ELECT	47uF	20%	35V
C511	1-136-157-00	FILM	0.022uF	5%	50V
C516	1-162-815-11	CERAMIC	47PF	5%	500V
C517	1-162-815-11	CERAMIC	47PF	5%	500V
C519	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C529	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C531	1-136-157-00	FILM	0.022uF	5%	50V
C539	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C540	1-126-964-11	ELECT	10uF	20%	50V
C541	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C553	1-165-722-11	ELECT	100uF	20%	10V
C554	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C561	1-126-963-11	ELECT	4.7uF	20%	50V
C565	1-102-233-00	CERAMIC	33PF	10%	500V
C566	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C567	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C570	1-126-947-11	ELECT	47uF	20%	35V
C576	1-162-815-11	CERAMIC	47PF	5%	500V
C577	1-162-815-11	CERAMIC	47PF	5%	500V
C580	1-126-964-11	ELECT	10uF	20%	50V
C581	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C601	1-126-963-11	ELECT	4.7uF	20%	50V
C603	1-165-722-11	ELECT	100uF	20%	10V
C604	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C605	1-102-233-00	CERAMIC	33PF	10%	500V
C606	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C607	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C610	1-126-947-11	ELECT	47uF	20%	35V
C611	1-136-157-00	FILM	0.022uF	5%	50V
C619	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C620	1-162-815-11	CERAMIC	47PF	5%	500V
C621	1-162-815-11	CERAMIC	47PF	5%	500V
C640	1-126-964-11	ELECT	10uF	20%	50V
C642	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C651	1-126-963-11	ELECT	4.7uF	20%	50V
C653	1-165-722-11	ELECT	100uF	20%	10V
C654	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C655	1-102-233-00	CERAMIC	33PF	10%	500V
C656	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C657	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C660	1-126-947-11	ELECT	47uF	20%	35V
C661	1-136-157-00	FILM	0.022uF	5%	50V
C666	1-162-815-11	CERAMIC	47PF	5%	500V
C669	1-162-815-11	CERAMIC	47PF	5%	500V
C670	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C680	1-126-964-11	ELECT	10uF	20%	50V
C681	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C691	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C701	1-126-963-11	ELECT	4.7uF	20%	50V
C702	1-126-964-11	ELECT	10uF	20%	50V
C703	1-165-722-11	ELECT	100uF	20%	10V
C704	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C705	1-102-233-00	CERAMIC	33PF	10%	500V
C706	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C707	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C710	1-126-947-11	ELECT	47uF	20%	35V

Ref. No.	Part No.	Description			Remark
C711	1-136-157-00	FILM	0.022uF	5%	50V
C716	1-162-815-11	CERAMIC	47PF	5%	500V
C717	1-162-815-11	CERAMIC	47PF	5%	500V
C720	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C721	1-126-923-11	ELECT	220uF	20%	10V
C722	1-126-964-11	ELECT	10uF	20%	50V
C729	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C732	1-128-582-11	ELECT	10uF	20%	100V
C733	1-128-582-11	ELECT	10uF	20%	100V
C740	1-126-964-11	ELECT	10uF	20%	50V
C741	1-128-579-11	ELECT	2.2uF	20%	100V
C742	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C743	1-128-579-11	ELECT	2.2uF	20%	100V
C744	1-128-579-11	ELECT	2.2uF	20%	100V
C749	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C750	1-126-964-11	ELECT	10uF	20%	50V
C751	1-126-963-11	ELECT	4.7uF	20%	50V
C752	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V
C753	1-165-722-11	ELECT	100uF	20%	10V
C754	1-107-583-11	CERAMIC	3PF	0.25PF	500V
C755	1-102-233-00	CERAMIC	33PF	10%	500V
C756	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C757	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C760	1-126-947-11	ELECT	47uF	20%	35V
C761	1-136-157-00	FILM	0.022uF	5%	50V
C762	1-126-964-11	ELECT	10uF	20%	50V
C766	1-162-815-11	CERAMIC	47PF	5%	500V
C767	1-162-815-11	CERAMIC	47PF	5%	500V
C770	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C791	1-126-923-11	ELECT	220uF	20%	10V
C801	1-126-947-11	ELECT	47uF	20%	35V
C802	1-126-947-11	ELECT	47uF	20%	35V
C803	1-165-960-11	ELECT(BLOCK)	6800uF	20%	71V
C804	1-165-960-11	ELECT(BLOCK)	6800uF	20%	71V
C805	1-135-851-21	MYLAR	0.22uF		100V
C806	1-135-851-21	MYLAR	0.22uF		100V
C807	1-126-947-11	ELECT	47uF	20%	35V
C808	1-126-947-11	ELECT	47uF	20%	35V
C809	1-100-623-11	CERAMIC CHIP	0.1uF	10%	100V
C810	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C811	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C822	1-126-947-11	ELECT	47uF	20%	35V
C830	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C831	1-137-980-11	CERAMIC CHIP	0.47uF	10%	50V
C832	1-126-936-11	ELECT	3300uF	20%	16V
C842	1-165-732-31	ELECT	47uF	20%	25V
C3003	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C3005	1-126-963-11	ELECT	4.7uF	20%	50V
C3006	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3007	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3008	1-126-947-11	ELECT	47uF	20%	35V
C3009	1-126-947-11	ELECT	47uF	20%	35V
C3010	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3011	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3012	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3013	1-164-156-11	CERAMIC CHIP	0.1uF		25V
C3022	1-165-908-11	CERAMIC CHIP	1uF	10%	10V (AUS,MY,SP,TH)

Ref. No.	Part No.	Description				Remark
C3024	1-126-963-11	ELECT	4.7uF	20%	50V	(AUS,MY,SP,TH)
C3025	1-164-156-11	CERAMIC CHIP	0.1uF		25V	(AUS,MY,SP,TH)
C3026	1-164-156-11	CERAMIC CHIP	0.1uF		25V	(AUS,MY,SP,TH)
C3027	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	(AUS,MY,SP,TH)
C3032	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	(AUS,MY,SP,TH)
C3034	1-126-963-11	ELECT	4.7uF	20%	50V	(AUS,MY,SP,TH)
C3037	1-165-908-11	CERAMIC CHIP	1uF	10%	10V	(AUS,MY,SP,TH)
CC02	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	(AUS)
CC04	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	(AUS)
CC05	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	(AUS)
CC06	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	(AUS)
CC07	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	(AUS)
CC08	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	(AUS)
CC09	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	(AUS)
CC10	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	(AUS)
CC11	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	(AUS)
CC12	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	(AUS)
CC13	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	(AUS)
CC15	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	(AUS)
CC16	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	(AUS)
CC17	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	(AUS)
CC18	1-162-970-11	CERAMIC CHIP	0.01uF	10%	25V	(AUS)
CC52	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	(AUS)
CC54	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	(AUS)
CC55	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	(AUS)
CC56	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	(AUS)
CC57	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	(AUS)
CC58	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	(AUS)
CC59	1-162-927-11	CERAMIC CHIP	100PF	5%	50V	(AUS)
		< CONNECTOR >				
CN500	1-573-843-11	CONNECTOR, BOARD TO BOARD 11P				
CN506	1-779-978-11	PIN, CONNECTOR 3P				
CN3001	1-820-048-11	CONNECTOR (LIGHTING) (D-LIGHT SYNC OUT)				

Ref. No.	Part No.	Description	Remark
CNP501	1-573-847-11	CONNECTOR, BOARD TO BOARD 15P	
* CNP503	1-564-506-11	PLUG, CONNECTOR 3P	
* CNP507	1-564-507-11	PLUG, CONNECTOR 4P	
* CNP801	1-564-242-00	PIN, CONNECTOR (3.96mm PITCH) 5P	
* CNP802	1-564-509-11	PLUG, CONNECTOR 6P	
* CNP912	1-564-506-11	PLUG, CONNECTOR 3P	
		< DIODE >	
D505	6-501-193-01	DIODE 1SS355WTE-17	
D529	6-501-193-01	DIODE 1SS355WTE-17	
D540	6-501-193-01	DIODE 1SS355WTE-17	
D560	6-501-193-01	DIODE 1SS355WTE-17	
D580	6-501-193-01	DIODE 1SS355WTE-17	
D585	6-501-193-01	DIODE 1SS355WTE-17	
D605	6-501-193-01	DIODE 1SS355WTE-17	
D610	6-501-193-01	DIODE 1SS355WTE-17	
D611	6-501-193-01	DIODE 1SS355WTE-17	
D640	6-501-193-01	DIODE 1SS355WTE-17	
D665	6-501-193-01	DIODE 1SS355WTE-17	
D680	6-501-193-01	DIODE 1SS355WTE-17	
D690	8-719-083-71	DIODE UDZSTE-1730B	
D691	6-501-193-01	DIODE 1SS355WTE-17	
D705	6-501-193-01	DIODE 1SS355WTE-17	
D710	6-501-193-01	DIODE 1SS355WTE-17	
D721	6-501-193-01	DIODE 1SS355WTE-17	
D722	6-501-193-01	DIODE 1SS355WTE-17	
D729	6-501-193-01	DIODE 1SS355WTE-17	
D732	6-501-193-01	DIODE 1SS355WTE-17	
D733	6-501-193-01	DIODE 1SS355WTE-17	
D740	6-501-193-01	DIODE 1SS355WTE-17	
D749	6-501-193-01	DIODE 1SS355WTE-17	
D750	6-501-193-01	DIODE 1SS355WTE-17	
D765	6-501-193-01	DIODE 1SS355WTE-17	
D791	6-501-193-01	DIODE 1SS355WTE-17	
D801	8-719-083-85	DIODE UDZSTE-1722B	
D802	8-719-081-52	DIODE D5SBA20-4003	
D804	6-500-295-01	DIODE PTZ-TE25-5.6B	
D805	8-719-053-18	DIODE 1SR154-400TE-25	
D806	8-719-053-18	DIODE 1SR154-400TE-25	
D807	8-719-053-18	DIODE 1SR154-400TE-25	
D808	8-719-053-18	DIODE 1SR154-400TE-25	
D841	6-500-696-01	DIODE UDZSTE-173.0B	
D896	8-719-053-18	DIODE 1SR154-400TE-25	
D3001	8-719-069-54	DIODE UDZSTE-175.1B	
		< IC >	
IC401	6-707-362-01	IC BD3451KS	
IC501	6-700-943-01	IC uPC2581V-S	
IC601	6-700-943-01	IC uPC2581V-S	
IC691	8-759-710-97	IC NJM4565M-D	
IC701	6-700-943-01	IC uPC2581V-S	
IC801	8-759-071-48	IC TA7807S	
IC802	8-759-071-47	IC TA79007S	
IC3001	8-759-710-97	IC NJM4565M-D	
IC3002	8-759-710-97	IC NJM4565M-D (AUS,MY,SP,TH)	

Ref. No.	Part No.	Description	Remark
		< JACK >	
J308	1-820-948-11	JACK, PIN 4P (SUB WOOFER AUDIO OUT)	
J402	1-770-614-11	JACK, PIN 4P (VIDEO 1 AUDIO OUT/AUDIO IN)	
J403	1-770-614-11	JACK, PIN 4P (SAT AUDIO IN,DVD AUDIO IN)	
J405	1-774-411-11	JACK, PIN 6P (SA-CD/CD/CD-R OUT/IN,TV IN)	
		< COIL >	
L501	1-420-872-52	COIL, AIR-CORE	
L551	1-420-872-52	COIL, AIR-CORE	
L601	1-420-872-52	COIL, AIR-CORE	
L651	1-420-872-52	COIL, AIR-CORE	
L701	1-420-872-52	COIL, AIR-CORE	
L751	1-420-872-52	COIL, AIR-CORE	
L3001	1-412-058-11	INDUCTOR 10uH	
		< TRANSISTOR >	
Q501	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q502	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q505	8-729-216-31	TRANSISTOR 2SA1163-G	
Q506	8-729-216-31	TRANSISTOR 2SA1163-G	
Q535	8-729-216-31	TRANSISTOR 2SA1163-G	
Q536	8-729-216-31	TRANSISTOR 2SA1163-G	
Q540	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q560	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q571	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q572	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q580	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q601	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q602	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q605	8-729-216-31	TRANSISTOR 2SA1163-G	
Q606	8-729-216-31	TRANSISTOR 2SA1163-G	
Q610	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q612	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q640	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q651	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q652	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q655	8-729-216-31	TRANSISTOR 2SA1163-G	
Q656	8-729-216-31	TRANSISTOR 2SA1163-G	
Q680	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q691	8-729-281-53	TRANSISTOR 2SC1815-GR	
Q692	8-729-029-40	TRANSISTOR DTA124ESA	
Q701	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q702	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q705	8-729-216-31	TRANSISTOR 2SA1163-G	
Q706	8-729-216-31	TRANSISTOR 2SA1163-G	
Q710	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q722	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q723	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q725	8-729-216-31	TRANSISTOR 2SA1163-G	
Q740	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q750	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q751	8-729-119-76	TRANSISTOR 2SA1175-HFE	
Q752	8-729-141-30	TRANSISTOR 2SC3623A-LK	
Q755	8-729-216-31	TRANSISTOR 2SA1163-G	
Q756	8-729-216-31	TRANSISTOR 2SA1163-G	
Q790	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q793	8-729-620-07	TRANSISTOR 2SC3052EF-T1-LEF	
Q795	8-729-216-31	TRANSISTOR 2SA1163-G	
Q801	8-729-140-97	TRANSISTOR 2SB734-34	
Q3001	8-729-281-53	TRANSISTOR 2SC1815-GR	
		< RESISTOR >	
R402	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R404	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R405	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R406	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R407	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R408	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R409	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R423	1-216-864-11	SHORT CHIP 0	
R428	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R429	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R452	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R454	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R455	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R456	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R457	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R458	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R459	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R468	1-216-845-11	METAL CHIP 100K 5% 1/10W	
R469	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R470	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R471	1-216-841-11	METAL CHIP 47K 5% 1/10W	(EXCEPT MX)
R472	1-216-841-11	METAL CHIP 47K 5% 1/10W	(EXCEPT MX)
R473	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R474	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R475	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R476	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R480	1-216-864-11	SHORT CHIP 0	
R481	1-216-864-11	SHORT CHIP 0	
R501	1-216-821-11	METAL CHIP 1K 5% 1/10W	
R502	1-216-843-11	METAL CHIP 68K 5% 1/10W	
R503	1-208-445-41	RES-CHIP 2.2K 2% 1/10W	
R505	1-208-826-11	METAL CHIP 68K 0.5% 1/10W	
R510	1-216-825-11	METAL CHIP 2.2K 5% 1/10W	
R511	1-216-844-11	METAL CHIP 82K 5% 1/10W	
R513	1-216-818-11	METAL CHIP 560 5% 1/10W	
R514	1-249-399-11	CARBON 33 5% 1/4W F	
R515	1-249-399-11	CARBON 33 5% 1/4W F	
R516	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W	
R517	1-249-393-11	CARBON 10 5% 1/4W F	
R518	1-249-389-11	CARBON 4.7 5% 1/4W F	
R520	1-216-214-00	RES-CHIP 4.7K 2% 1/8W	
R521	1-240-855-11	CARBON 6.2K 5% 1/4W F	
R522	1-216-823-11	METAL CHIP 1.5K 5% 1/10W	
R523	1-216-841-11	METAL CHIP 47K 5% 1/10W	
R524	1-216-835-11	METAL CHIP 15K 5% 1/10W	
R525	1-216-843-11	METAL CHIP 68K 5% 1/10W	
R526	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W	
R529	1-216-833-11	METAL CHIP 10K 5% 1/10W	
R530	1-216-214-00	RES-CHIP 4.7K 2% 1/8W	
R531	1-240-855-11	CARBON 6.2K 5% 1/4W F	
R532	1-216-833-11	METAL CHIP 10K 5% 1/10W	

Ref. No.	Part No.	Description			Remark
R533	1-216-841-11	METAL CHIP	47K	5%	1/10W
R534	1-216-835-11	METAL CHIP	15K	5%	1/10W
R535	1-216-843-11	METAL CHIP	68K	5%	1/10W
R537	1-249-393-11	CARBON	10	5%	1/4W F
R539	1-216-845-11	METAL CHIP	100K	5%	1/10W
R540	1-216-837-11	METAL CHIP	22K	5%	1/10W
R546	1-216-835-11	METAL CHIP	15K	5%	1/10W
R553	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R554	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R555	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R556	1-216-841-11	METAL CHIP	47K	5%	1/10W
R557	1-216-835-11	METAL CHIP	15K	5%	1/10W
R561	1-216-821-11	METAL CHIP	1K	5%	1/10W
R562	1-216-843-11	METAL CHIP	68K	5%	1/10W
R568	1-249-389-11	CARBON	4.7	5%	1/4W F
R570	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R571	1-216-844-11	METAL CHIP	82K	5%	1/10W
R572	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R573	1-216-841-11	METAL CHIP	47K	5%	1/10W
R574	1-249-399-11	CARBON	33	5%	1/4W F
R575	1-249-399-11	CARBON	33	5%	1/4W F
R576	1-216-818-11	METAL CHIP	560	5%	1/10W
R580	1-216-837-11	METAL CHIP	22K	5%	1/10W
R585	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R586	1-216-841-11	METAL CHIP	47K	5%	1/10W
R587	1-216-835-11	METAL CHIP	15K	5%	1/10W
R588	1-216-835-11	METAL CHIP	15K	5%	1/10W
R601	1-216-821-11	METAL CHIP	1K	5%	1/10W
R602	1-216-843-11	METAL CHIP	68K	5%	1/10W
R603	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R604	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R610	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R611	1-216-844-11	METAL CHIP	82K	5%	1/10W
R613	1-216-818-11	METAL CHIP	560	5%	1/10W
R614	1-249-399-11	CARBON	33	5%	1/4W F
R615	1-249-399-11	CARBON	33	5%	1/4W F
R616	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R617	1-249-393-11	CARBON	10	5%	1/4W F
R618	1-249-389-11	CARBON	4.7	5%	1/4W F
R620	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R621	1-240-855-11	CARBON	6.2K	5%	1/4W F
R622	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R623	1-216-841-11	METAL CHIP	47K	5%	1/10W
R624	1-216-835-11	METAL CHIP	15K	5%	1/10W
R625	1-216-843-11	METAL CHIP	68K	5%	1/10W
R631	1-216-821-11	METAL CHIP	1K	5%	1/10W
R633	1-216-821-11	METAL CHIP	1K	5%	1/10W
R634	1-249-404-00	CARBON	82	5%	1/4W F
R635	1-249-404-00	CARBON	82	5%	1/4W F
R638	1-216-843-11	METAL CHIP	68K	5%	1/10W
R640	1-216-837-11	METAL CHIP	22K	5%	1/10W
R648	1-216-835-11	METAL CHIP	15K	5%	1/10W
R651	1-216-821-11	METAL CHIP	1K	5%	1/10W
R652	1-216-843-11	METAL CHIP	68K	5%	1/10W
R653	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R654	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R655	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R656	1-216-841-11	METAL CHIP	47K	5%	1/10W

Ref. No.	Part No.	Description			Remark
R657	1-216-835-11	METAL CHIP	15K	5%	1/10W
R660	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R661	1-216-844-11	METAL CHIP	82K	5%	1/10W
R663	1-216-818-11	METAL CHIP	560	5%	1/10W
R664	1-249-399-11	CARBON	33	5%	1/4W F
R665	1-249-399-11	CARBON	33	5%	1/4W F
R666	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R667	1-249-393-11	CARBON	10	5%	1/4W F
R668	1-249-389-11	CARBON	4.7	5%	1/4W F
R669	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R671	1-240-855-11	CARBON	6.2K	5%	1/4W F
R672	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R673	1-216-841-11	METAL CHIP	47K	5%	1/10W
R674	1-216-835-11	METAL CHIP	15K	5%	1/10W
R675	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R676	1-216-841-11	METAL CHIP	47K	5%	1/10W
R677	1-216-835-11	METAL CHIP	15K	5%	1/10W
R680	1-216-837-11	METAL CHIP	22K	5%	1/10W
R681	1-216-835-11	METAL CHIP	15K	5%	1/10W
R690	1-216-849-11	METAL CHIP	220K	5%	1/10W
⚠R691	1-215-886-11	METAL OXIDE	100	5%	2W F
⚠R692	1-215-889-00	METAL OXIDE	330	5%	2W F
R693	1-216-833-11	METAL CHIP	10K	5%	1/10W
R694	1-216-833-11	METAL CHIP	10K	5%	1/10W
R695	1-216-833-11	METAL CHIP	10K	5%	1/10W
R696	1-216-841-11	METAL CHIP	47K	5%	1/10W
R698	1-216-833-11	METAL CHIP	10K	5%	1/10W
R699	1-216-853-11	METAL CHIP	470K	5%	1/10W
R701	1-216-821-11	METAL CHIP	1K	5%	1/10W
R702	1-216-843-11	METAL CHIP	68K	5%	1/10W
R703	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R704	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R710	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R711	1-216-844-11	METAL CHIP	82K	5%	1/10W
R713	1-216-818-11	METAL CHIP	560	5%	1/10W
R714	1-249-399-11	CARBON	33	5%	1/4W F
R715	1-249-399-11	CARBON	33	5%	1/4W F
R716	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R717	1-249-393-11	CARBON	10	5%	1/4W F
R718	1-249-389-11	CARBON	4.7	5%	1/4W F
R719	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R721	1-240-855-11	CARBON	6.2K	5%	1/4W F
R722	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R723	1-216-841-11	METAL CHIP	47K	5%	1/10W
R724	1-216-835-11	METAL CHIP	15K	5%	1/10W
R725	1-216-843-11	METAL CHIP	68K	5%	1/10W
R729	1-216-833-11	METAL CHIP	10K	5%	1/10W
R731	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R732	1-249-381-11	CARBON	1	5%	1/4W F
R733	1-249-381-11	CARBON	1	5%	1/4W F
R734	1-249-404-00	CARBON	82	5%	1/4W F
R735	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R736	1-216-821-11	METAL CHIP	1K	5%	1/10W
R737	1-216-840-11	METAL CHIP	39K	5%	1/10W
R739	1-216-845-11	METAL CHIP	100K	5%	1/10W
R740	1-216-837-11	METAL CHIP	22K	5%	1/10W
R741	1-216-230-00	RES-CHIP	22K	2%	1/8W
R743	1-216-230-00	RES-CHIP	22K	2%	1/8W

Ref. No.	Part No.	Description			Remark
R744	1-216-230-00	RES-CHIP	22K	2%	1/8W
R745	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R746	1-216-841-11	METAL CHIP	47K	5%	1/10W
R747	1-216-835-11	METAL CHIP	15K	5%	1/10W
R748	1-216-835-11	METAL CHIP	15K	5%	1/10W
R749	1-216-833-11	METAL CHIP	10K	5%	1/10W
R750	1-216-837-11	METAL CHIP	22K	5%	1/10W
R751	1-216-821-11	METAL CHIP	1K	5%	1/10W
R752	1-216-843-11	METAL CHIP	68K	5%	1/10W
R753	1-208-445-41	RES-CHIP	2.2K	2%	1/10W
R754	1-208-826-11	METAL CHIP	68K	0.5%	1/10W
R755	1-216-829-11	METAL CHIP	4.7K	5%	1/10W
R756	1-216-841-11	METAL CHIP	47K	5%	1/10W
R757	1-216-835-11	METAL CHIP	15K	5%	1/10W
R758	1-216-835-11	METAL CHIP	15K	5%	1/10W
R759	1-216-845-11	METAL CHIP	100K	5%	1/10W
R760	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R761	1-216-844-11	METAL CHIP	82K	5%	1/10W
R763	1-216-818-11	METAL CHIP	560	5%	1/10W
R764	1-249-399-11	CARBON	33	5%	1/4W F
R765	1-249-399-11	CARBON	33	5%	1/4W F
R766	1-234-182-11	ENCAPSULATED COMPONENT 0.22X2 5W			
R767	1-249-393-11	CARBON	10	5%	1/4W F
R768	1-249-389-11	CARBON	4.7	5%	1/4W F
R769	1-216-214-00	RES-CHIP	4.7K	2%	1/8W
R770	1-216-845-11	METAL CHIP	100K	5%	1/10W
R771	1-240-855-11	CARBON	6.2K	5%	1/4W F
R772	1-216-823-11	METAL CHIP	1.5K	5%	1/10W
R773	1-216-841-11	METAL CHIP	47K	5%	1/10W
R775	1-216-843-11	METAL CHIP	68K	5%	1/10W
R778	1-216-835-11	METAL CHIP	15K	5%	1/10W
R780	1-216-833-11	METAL CHIP	10K	5%	1/10W
R790	1-216-845-11	METAL CHIP	100K	5%	1/10W
R791	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
⚠R792	1-215-868-00	METAL OXIDE	680	5%	1W F
R793	1-249-404-00	CARBON	82	5%	1/4W F
⚠R794	1-215-868-00	METAL OXIDE	680	5%	1W F
R802	1-249-409-11	CARBON	220	5%	1/4W F
R803	1-249-389-11	CARBON	4.7	5%	1/4W F
R804	1-216-833-11	METAL CHIP	10K	5%	1/10W
R806	1-216-837-11	METAL CHIP	22K	5%	1/10W
R840	1-218-867-11	METAL CHIP	6.8K	0.5%	1/10W
R843	1-216-864-11	SHORT CHIP	0		
R844	1-216-837-11	METAL CHIP	22K	5%	1/10W
⚠R910	1-240-877-11	FUSIBLE	0.15	5%	1/2W F
R3001	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3002	1-216-837-11	METAL CHIP	22K	5%	1/10W
R3003	1-216-835-11	METAL CHIP	15K	5%	1/10W
R3005	1-216-825-11	METAL CHIP	2.2K	5%	1/10W
R3006	1-216-833-11	METAL CHIP	10K	5%	1/10W
R3007	1-216-818-11	METAL CHIP	560	5%	1/10W
R3008	1-249-393-11	CARBON	10	5%	1/4W F
R3010	1-216-841-11	METAL CHIP	47K	5%	1/10W (AUS,MY,SP,TH)
R3011	1-218-887-11	METAL CHIP	47K	0.5%	1/10W (AUS,MY,SP,TH)
R3012	1-218-887-11	METAL CHIP	47K	0.5%	1/10W (AUS,MY,SP,TH)
R3013	1-216-841-11	METAL CHIP	47K	5%	1/10W (AUS,MY,SP,TH)
R3020	1-216-841-11	METAL CHIP	47K	5%	1/10W (AUS,MY,SP,TH)
R3021	1-218-887-11	METAL CHIP	47K	0.5%	1/10W (AUS,MY,SP,TH)
R3022	1-218-887-11	METAL CHIP	47K	0.5%	1/10W (AUS,MY,SP,TH)
R3023	1-216-841-11	METAL CHIP	47K	5%	1/10W (AUS,MY,SP,TH)
RR11	1-249-393-11	CARBON	10	5%	1/4W F (AUS)
RR12	1-249-393-11	CARBON	10	5%	1/4W F (AUS)
RR13	1-249-393-11	CARBON	10	5%	1/4W F (AUS)
RR14	1-249-393-11	CARBON	10	5%	1/4W F (AUS)
RR15	1-249-393-11	CARBON	10	5%	1/4W F (AUS)
RR16	1-249-393-11	CARBON	10	5%	1/4W F (AUS)
RR17	1-249-393-11	CARBON	10	5%	1/4W F (AUS)
RR18	1-249-393-11	CARBON	10	5%	1/4W F (AUS)
		< RELAY >			
RY560	1-755-267-11	RELAY			
RY601	1-755-170-11	RELAY (12V)			
RY610	1-755-170-11	RELAY (12V)			
RY701	1-755-170-11	RELAY (12V)			
RY791	1-755-170-11	RELAY (12V)			
		< TERMINAL BOARD >			
TB001	1-780-449-11	BANANA-PUSH TERMINAL BOARD (8P) (SPEAKERS FRONT,SURROUND)			
TM603	1-780-451-11	BANANA-PUSH TERMINAL BOARD (4P) (SPEAKERS CENTER,SURROUND BACK)			
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		POWER KEY BOARD			
		**********			
		< CONNECTOR >			
* CN103	1-691-670-11	CONNECTOR, BOARD TO BOARD 5P			
		< RESISTOR >			
R111	1-249-415-11	CARBON	680	5%	1/4W
R112	1-247-831-11	CARBON	1K	5%	1/4W
		< ROTARY ENCODER >			
RV103	1-418-817-11	ENCODER, ROTARY (– TUNING +)			
		< SWITCH >			
S100	1-771-410-21	SWITCH, TACTILE (I/⏻)			
S113	1-771-410-21	SWITCH, TACTILE (TUNING MODE)			
S115	1-771-410-21	SWITCH, TACTILE (AUTO CAL)			
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Ref. No.	Part No.	Description			Remark
		STANDBY BOARD			
		**********			
	1-533-217-41	HOLDER, FUSE			
		< CAPACITOR >			
C913	1-127-888-11	CERAMIC	0.1uF	10%	50V
C914	1-127-888-11	CERAMIC	0.1uF	10%	50V
C915	1-126-943-11	ELECT	2200uF	20%	25V
C916	1-126-942-61	ELECT	1000uF	20%	25V
C920	1-127-888-11	CERAMIC	0.1uF	10%	50V
C921	1-127-888-11	CERAMIC	0.1uF	10%	50V
C924	1-126-960-11	ELECT	1uF	20%	50V
C950	1-126-936-11	ELECT	3300uF	20%	16V
		< CONNECTOR >			
CNP002	1-568-106-11	PIN, CONNECTOR (3.96mm PITCH) 4P (E51)			
* CNP802	1-564-509-11	PLUG, CONNECTOR 6P			
* CNP804	1-564-506-11	PLUG, CONNECTOR 3P			
* CNP805	1-564-506-11	PLUG, CONNECTOR 3P (AUS,MY,SP,TH)			
CNP901	1-564-321-00	PIN, CONNECTOR (3.96mm PITCH) 2P			
* CNP902	1-565-792-11	PIN, CONNECTOR (3.96mm PITCH) 2P			
* CNP903	1-564-508-11	PLUG, CONNECTOR 5P			
		< DIODE >			
D901	8-719-991-33	DIODE 1SS133T-77			
D910	6-500-522-11	DIODE 10EDB40-TA2B5			
D911	6-500-522-11	DIODE 10EDB40-TA2B5			
D912	6-500-522-11	DIODE 10EDB40-TA2B5			
D913	6-500-522-11	DIODE 10EDB40-TA2B5			
D914	8-719-991-33	DIODE 1SS133T-77			
D915	8-719-991-33	DIODE 1SS133T-77			
D920	6-500-522-11	DIODE 10EDB40-TA2B5			
D921	6-500-522-11	DIODE 10EDB40-TA2B5			
D922	6-500-522-11	DIODE 10EDB40-TA2B5			
D923	6-500-522-11	DIODE 10EDB40-TA2B5			
		< TRANSISTOR >			
Q901	8-729-119-78	TRANSISTOR 2SC2785-HFE			
Q921	8-729-119-78	TRANSISTOR 2SC2785-HFE			
		< RESISTOR >			
⚠R810	1-243-634-91	FUSIBLE	0.22	5%	1/2W F
⚠R811	1-243-634-91	FUSIBLE	0.22	5%	1/2W F
R902	1-247-871-11	CARBON	47K	5%	1/4W
R903	1-249-421-11	CARBON	2.2K	5%	1/4W
R904	1-249-381-11	CARBON	1	5%	1/4W F
R921	1-247-871-11	CARBON	47K	5%	1/4W
R922	1-247-863-11	CARBON	22K	5%	1/4W
R923	1-249-429-11	CARBON	10K	5%	1/4W
		< RELAY >			
⚠RY901	1-755-541-11	RELAY			
		< TRANSFORMER >			
⚠T902	1-443-517-11	TRANSFORMER, POWER (SUB) (EXCEPT E51,MX)			
⚠T902	1-443-518-11	TRANSFORMER, POWER (SUB) (MX)			
⚠T902	1-443-520-11	TRANSFORMER, POWER (SUB) (E51)			
		VIDEO BOARD			
		**********			
		< CAPACITOR >			
C206	1-126-964-11	ELECT	10uF	20%	50V
C207	1-126-964-11	ELECT	10uF	20%	50V
C208	1-126-964-11	ELECT	10uF	20%	50V
C209	1-126-964-11	ELECT	10uF	20%	50V
C210	1-126-947-11	ELECT	47uF	20%	35V
C213	1-126-947-11	ELECT	47uF	20%	35V
C214	1-127-888-11	CERAMIC	0.1uF	10%	50V
C215	1-127-888-11	CERAMIC	0.1uF	10%	50V
C220	1-126-947-11	ELECT	47uF	20%	35V
C221	1-126-947-11	ELECT	47uF	20%	35V
C223	1-135-799-11	CERAMIC	0.47uF		50V
C224	1-135-799-11	CERAMIC	0.47uF		50V
C308	1-126-964-11	ELECT	10uF	20%	50V
C309	1-126-964-11	ELECT	10uF	20%	50V
C310	1-126-964-11	ELECT	10uF	20%	50V
C311	1-126-964-11	ELECT	10uF	20%	50V
C312	1-126-964-11	ELECT	10uF	20%	50V
C313	1-126-964-11	ELECT	10uF	20%	50V
C314	1-126-964-11	ELECT	10uF	20%	50V
C315	1-126-964-11	ELECT	10uF	20%	50V
C316	1-126-964-11	ELECT	10uF	20%	50V
C330	1-127-888-11	CERAMIC	0.1uF	10%	50V
C331	1-127-888-11	CERAMIC	0.1uF	10%	50V
C337	1-126-947-11	ELECT	47uF	20%	35V
C338	1-126-947-11	ELECT	47uF	20%	35V
C340	1-127-888-11	CERAMIC	0.1uF	10%	50V
		< CONNECTOR >			
CNP202	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
* CNP203	1-564-507-11	PLUG, CONNECTOR 4P			
CNS207	1-784-774-11	CONNECTOR, FFC 13P			
		< DIODE >			
D203	8-719-991-33	DIODE 1SS133T-77			
D204	8-719-991-33	DIODE 1SS133T-77			
		< IC >			
IC203	6-701-890-01	IC NJM2595D			
IC304	6-707-363-01	IC NJM2586AL			
IC804	8-759-245-79	IC TA79005S			
IC807	8-759-231-53	IC TA7805S			
		< JACK >			
J200	1-794-978-11	JACK, PIN 3P (SAT VIDEO IN, DVD VIDEO IN,VIDEO 1 VIDEO OUT)			
J201	1-815-043-11	JACK, PIN 2P (VIDEO 1 VIDEO IN, MONITOR VIDEO OUT)			
J301	1-816-592-11	JACK, PIN 9P (COMPONENT VIDEO SAT IN,DVD IN,VIDEO 1 IN)			
J302	1-815-360-11	JACK, PIN 3P (COMPONENT VIDEO MONITOR OUT)			

Ref. No.	Part No.	Description			Remark
		< RESISTOR >			
R200	1-247-804-11	CARBON	75	5%	1/4W
R201	1-247-804-11	CARBON	75	5%	1/4W
R218	1-247-804-11	CARBON	75	5%	1/4W
R219	1-247-804-11	CARBON	75	5%	1/4W
R220	1-247-804-11	CARBON	75	5%	1/4W
R221	1-247-804-11	CARBON	75	5%	1/4W
R301	1-247-804-11	CARBON	75	5%	1/4W
R302	1-247-804-11	CARBON	75	5%	1/4W
R303	1-247-804-11	CARBON	75	5%	1/4W
R304	1-247-804-11	CARBON	75	5%	1/4W
R305	1-247-804-11	CARBON	75	5%	1/4W
R306	1-247-804-11	CARBON	75	5%	1/4W
R307	1-247-804-11	CARBON	75	5%	1/4W
R308	1-247-804-11	CARBON	75	5%	1/4W
R309	1-247-804-11	CARBON	75	5%	1/4W
R310	1-247-804-11	CARBON	75	5%	1/4W
R311	1-247-804-11	CARBON	75	5%	1/4W
R312	1-247-804-11	CARBON	75	5%	1/4W
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		VIDEO 3 BOARD			
		**********			
		< CAPACITOR >			
C293	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C294	1-100-566-11	CERAMIC CHIP	0.1uF	10%	25V
C298	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
C299	1-162-960-11	CERAMIC CHIP	220PF	10%	50V
		< CONNECTOR >			
CN201	1-564-721-11	PIN, CONNECTOR (SMALL TYPE) 5P			
* CN202	1-690-880-31	LEAD (WITH CONNECTOR)			
		< JACK >			
J298	1-819-187-11	JACK, PIN 3P (VIDEO 3 IN/PORTABLE AV IN VIDEO,AUDIO)			
		< RESISTOR >			
R298	1-216-821-11	METAL CHIP	1K	5%	1/10W
R299	1-216-821-11	METAL CHIP	1K	5%	1/10W
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Ref. No.	Part No.	Description	Remark
		MISCELLANEOUS	
		**********	
57	1-829-004-51	WIRE (FLAT TYPE) (19 CORE)	
101	1-829-953-11	WIRE (FLAT TYPE) (9 CORE)	
102	1-828-973-11	WIRE (FLAT TYPE) (13 CORE)	
⚠105	1-696-848-81	CORD, POWER (AUS)	
⚠105	1-777-071-83	CORD, POWER (E51,MY,SP,TH)	
⚠105	1-783-941-12	CORD, POWER (AR)	
⚠105	1-829-627-11	POWER-SUPPLY CORD (MX)	
⚠107	1-569-008-22	ADAPTOR, CONVERSION 2P (E51)	
⚠F901	1-532-464-33	FUSE (T2.5AL/250V) (EXCEPT MX)	
⚠F901	1-532-504-33	FUSE (T4AL/250V) (MX)	
⚠F4001	1-532-465-33	FUSE (T3.15AL/250V) (AUS,MY,SP,TH)	
⚠F4002	1-532-465-33	FUSE (T3.15AL/250V) (AUS,MY,SP,TH)	
Q503	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q504	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q533	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q534	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q603	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q604	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q653	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q654	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q703	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q704	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
Q753	6-702-390-01	TRANSISTOR MN2488-OPY-MK	
Q754	6-702-391-01	TRANSISTOR MP1620-OPY-MK	
⚠T901	1-443-523-11	TRANSFORMER, POWER (MAIN) (MX)	
⚠T901	1-443-525-11	TRANSFORMER, POWER (MAIN)	(EXCEPT E51,MX)
⚠T901	1-443-526-11	TRANSFORMER, POWER (MAIN) (E51)	
TN1	1-693-728-11	TUNER (FM/AM) (ANTENNA) (MX)	
TN1	1-693-733-11	TUNER (FM/AM) (ANTENNA) (E51,AR)	
TN1	1-693-735-11	TUNER (FM/AM) (ANTENNA) (AUS,MY,SP,TH)	

MEMO

REVISION HISTORY

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Ver.	Date	Description of Revision
1.0	2007. 02	New
1.1	2007. 04	Chilean and Peruvian, Mexican, Malaysia and Thai model addition.